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Performance of Commercial Corn Hybrids in Illinois

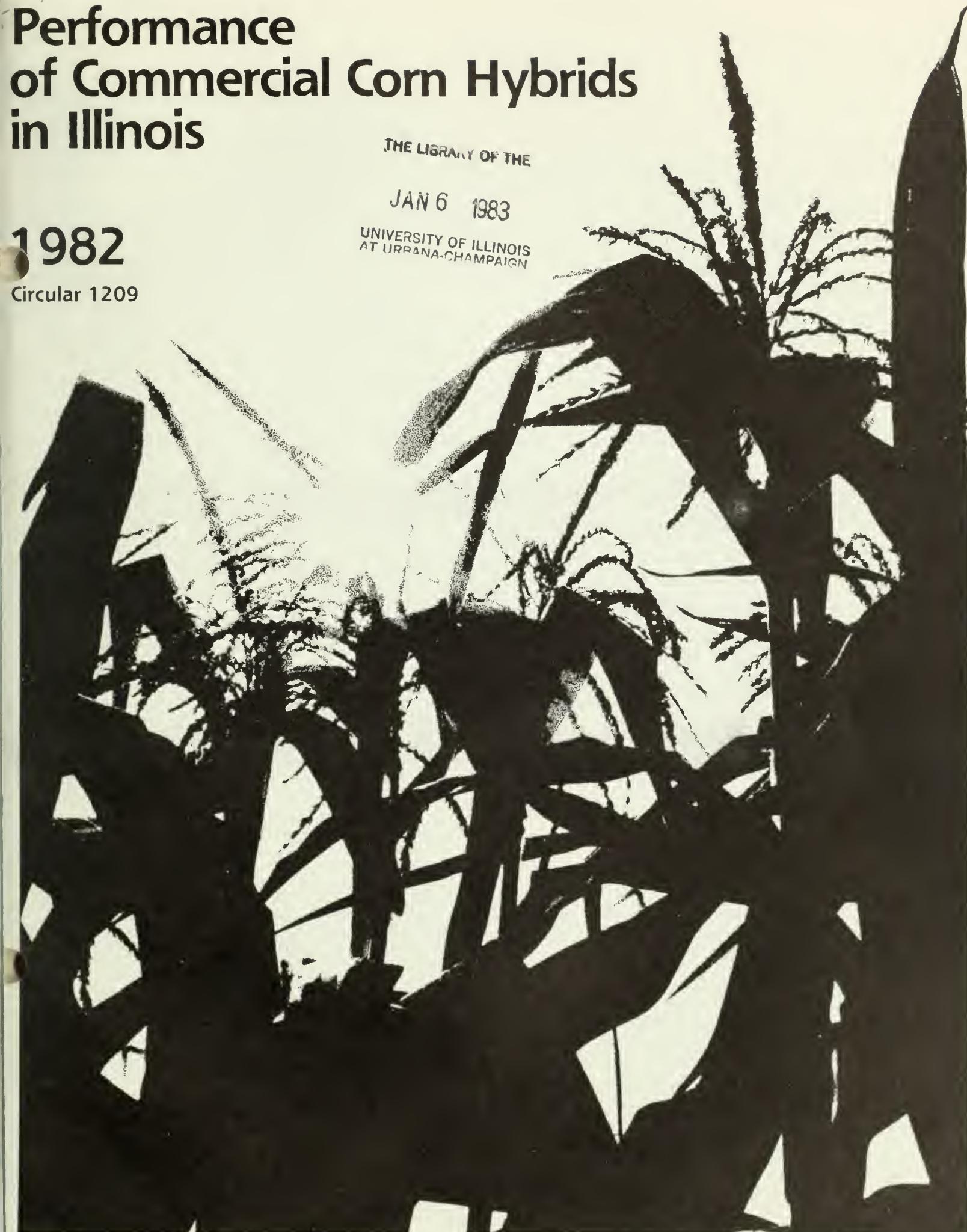
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Urbana, Illinois

December, 1982

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PERFORMANCE OF COMMERCIAL CORN HYBRIDS IN ILLINOIS, 1982

(With 1980 and 1981 Listings)

Test Program

Selection of entries. Each year, producers of hybrid seed corn in Illinois and surrounding states are invited to enter hybrids in the Illinois performance trials. This testing program is financed by a fee of \$35 for each hybrid entered at a location (\$50 for irrigated trials). Most of these hybrids are commercially available, although a few experimental hybrids are also entered. In 1982, a survey of popular hybrids was conducted among county Extension advisers, and the ten most popular hybrids at each test location were added to the trials. These hybrids are marked by an asterisk (*) in the tables.

Number and location of tests. In 1982, 17 major tests were conducted at 10 locations in the state (see the map on page 5). These sites represent major soil and climatic areas of the state.

Hybrids. There were 701 hybrids from 79 companies tested in 1982.

Field-plot design. Three replications of randomized complete block or lattice design were used to give each entry an equal chance to show its merits.

Planting methods. All trials were planted by machine. All test fields except those at DeKalb, Elwood, Monmouth, Perry, Kilbourne, and Urbana were part of larger cornfields and thus were bordered by other corn. Each hybrid plot was overplanted 30 percent and later thinned to desired stands. Each plot was four rows wide and 25 feet long. The center two rows of each plot were harvested to determine yields.

Fertilization. All test fields were at a high level of fertility. Additional fertilizer was plowed down or side-dressed as needed to ensure top yields.

Method of harvest. All plots were harvested with a custom-built, self-propelled, corn plot combine. Shelled corn from each plot was collected, weighed, and tested for moisture content. No allowance was made for corn that might have been lost in harvest.

Performance Data

Grain yield. Shelled-corn weight and moisture percentage were measured for each plot of a hybrid and converted to bushels per acre of No. 2 shelled corn (15.5 percent moisture). An electronic moisture monitor was used in the combine for all moisture readings.

Moisture content. Occasionally, hybrids too late in maturity for a given area are entered in these tests. These hybrids are often high in yield, but their moisture content may make them poor choices for farm use unless proper drying or storage facilities are available.

Erect plants. The number of erect plants in each plot of a hybrid was determined at harvesttime. Any plant leaning at an angle of more than 45 degrees or broken below the ear was considered lodged. Plants broken above the ear were considered erect.

Population. In late June, plants in all plots on all fields were counted and populations computed. Plots with over 100 percent of the desired population were thinned at that time. Stand differences may be caused by failure to germinate or by damage from diseases, insects, cultivation, or animal pests.

Suggestions for Comparing Hybrids

It is impossible to measure performance exactly in any test of plant material. Harvesting efficiency may vary, soils may not be uniform, and many other conditions may produce variability. Results of repeated tests, like those reported here, are more reliable than those of a single-year or a single-strip test. In general, a yield difference of a few bushels per acre is not significant in these tests, but when one hybrid consistently outyields another at several test locations and over several years of testing, the chances are good that this difference is real and should be a consideration in choosing a hybrid. When comparing yields, however, grain moisture content, percentage of erect plants, and plant population must also be considered.

A number of statistical tests are available for comparing hybrids within a single trial. One of these tests, the least significant difference (L.S.D.), when used in the manner suggested by Carmer and Swanson,¹ is quite simple to apply and is more appropriate than most other tests. When two hybrids are compared and the difference between them is greater than the tabulated L.S.D. value, the hybrids are judged "significantly different."

When the observed mean of hybrid A is larger than that of hybrid B and the difference between them is found to be significant, one of three possibilities has occurred: (1) the mean of hybrid A really is larger than that of hybrid B, and a correct decision has been made; (2) the means of hybrids A and B are really equal, and a Type I statistical error has been made (that is, the means were declared to be unequal when they were actually equal); or (3) the mean of hybrid B is really larger than that of hybrid A, and a reverse decision or Type III statistical error has been made (that is, the mean of A was declared to be greater than that of B, when the reverse is true).

¹ Carmer, S. G. and M. R. Swanson. "An Evaluation of Ten Pairwise Multiple Comparison Procedures by Monte Carlo Methods." *Journal of American Statistical Association* 68:66-74. 1973.

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When no significant difference is found between two hybrids, one of two possibilities has occurred: (1) the means are really equal, and a correct decision has been made; or (2) the means are really different, and a Type II statistical error has been made (that is, the means were declared to be equal when they really are different). In a study of the frequencies of occurrence of these three types of statistical errors and their relative seriousness, Carmer² found strong arguments for an optimal significance level in the range $\alpha = 0.20$ to 0.40 , where α is the Type I statistical error rate for comparisons between means that are really equal. Herein, values of $\alpha = 0.10$ and 0.30 are used in computing the L.S.D. 10 and 30 percent levels shown in the tables. L.S.D. 10 and L.S.D. 30 are not calculated when the overall F test of differences among entries is not significant at the 5 percent level.

To make the best use of the information presented in this circular and to avoid any misunderstanding or misrepresentation of it, the reader should consider an additional caution about comparing hybrids. Readers who compare hybrids in different trials should be extremely careful, since no statistical tests are presented for that purpose. Readers should note that the difference between a single hybrid's performance at one location and its performance at another is caused primarily by environmental effects and random variability.

²Carmer, S. G. "Optimal Significance Levels for Application of the Least Significant Difference in Crop Performance Trials." *Crop Science* 16:95-99. 1976.

Furthermore, the difference between the performance of hybrid A in one trial and that of hybrid B in another is the result not only of environmental effects and random variability, but of genetic effects as well.

1982 Growing Conditions

Ideal weather conditions facilitated timely planting in April and May. Adequate soil moisture contributed to effective herbicide control of early weeds, and cultivation prevented the establishment of late weeds. Adequate rainfall in June and July increased the potential for an excellent crop. Excessive rainfall caused some problems in western Illinois, and some early lodging was noted at the Monmouth location. Variable rainfall in August left some areas short of moisture and reduced yields in the eastern Illinois locations. September was dry and warm, and most hybrids matured and dried to an acceptable moisture level earlier than usual. Harvest was not delayed by rainfall until the last week of October, and then only for a few days. All plots were harvested before severe lodging became a problem.

1982 Test Fields

Woodstock

Location: Northeastern Illinois (cool, humid).

Soil type: Proctor silt loam (fertile, deep, well-drained, dark prairie).

Planting date: May 3.

Cooperators: Hughes Farms and Seed Company; Robert Hughes and Earl Hughes, Jr.

DeKalb

Location: University of Illinois Northern Illinois Research Center, southwest of DeKalb.

Soil type: Flanagan silt loam (dark brown, adequately drained, highly fertile).

Planting date: May 4.

Cooperators: R. R. Bell, field manager; D. L. Mulvaney, research director.

Elwood

Location: Northeastern Illinois Agronomy Center, Will County.

Soil type: Elliott silt loam.

Planting date: May 10.

Cooperators: Dale Harshbarger, field manager; D. L. Mulvaney, research director.

Monmouth

Location: University of Illinois Northwestern Illinois Agricultural Research and Demonstration Center.

Soil type: Muscatine silt loam.

Planting date: May 4.

Cooperators: Mike Mainz, area agronomist and field superintendent; Jay Sutor, farm foreman.

Kilbourne (Irrigated)

Location: University of Illinois Illinois River Valley Sand Field, 10 miles west of Kilbourne, Mason County, central Illinois.

Soil type: Plainfield sand.

Planting date: April 28.

Cooperators: H. Hopen, research director; LaVern Hahn, fieldman.

Irrigation: Applied as supplement to rainfall when needed to maintain a total water supply of 1 inch every 4 days. Also supplied 63 pounds of nitrogen preplant, and 278 pounds of nitrogen in 4 applications throughout the growing season.

Urbana

Location: University of Illinois South Farm, Champaign County, east central Illinois.

Soil type: Flanagan silt loam (dark brown, adequately drained).

Planting date: April 23.

Cooperator: M. G. Oldham, farm manager.

Growing Season Rainfall

Location	April	May	June	July	August
Woodstock	3.13	4.15	5.06	8.55	2.79
DeKalb	3.00	3.97	4.32	6.48	1.52
Elwood	3.03	2.34	2.70	6.56	2.51
Monmouth	3.82	5.48	2.96	14.57	7.53
Kilbourne (By irrigation)	3.80	1.60	4.54	4.10	2.60
Urbana	2.51	4.54	5.02	4.43	2.54
Perry	5.24	2.57	10.21	2.34	5.76
Brownstown	2.59	4.02	4.45	4.85	3.06
Carbondale	2.46	5.91	3.30	2.93	2.63
Dixon Springs	3.04	5.85	3.96	1.71	4.37

Perry

Location: Orr Research Center, near Perry, Pike County, south central Illinois.

Soil type: Herrick silt loam (moderately poorly drained).

Planting date: May 5.

Cooperators: Glenn Raines, research director; Tom Halloch, field superintendent.

Brownstown

Location: University of Illinois Brownstown Experimental Field, Fayette County, south central Illinois.

Soil type: Cisne silt loam (poorly drained, gray prairie with a well-developed claypan).

Planting date: April 30.

Cooperator: Frank Zajicek, research director.

Carbondale Upland

Location: Southern Illinois University Agronomy Research Center, extreme southern Illinois.

Soil type: Weir silt loam (shallow, silty loam over claypan).

Planting date: April 29.

Cooperators: Jim Hubbard, field manager; George Kasta, agronomist.

Dixon Springs Bottomland

Location: University of Illinois Dixon Springs Agricultural Center, Pope County, extreme southern Illinois.

Soil type: Sharon silt loam (light-colored, moderately well drained, medium-textured bottomland).

Planting date: April 30.

Cooperator: George McKibben, professor of agronomy.

SUMMARY OF ILLINOIS HYBRID CORN TESTS, 1982

Field, county, location, and number of entries	Date planted	Date harvested	Average yield (bu/A)	Grain moisture (%)	Erect plants (%)	Average population (plants/A)
30-inch rows, 18,000 plants per acre						
Brownstown: Fayette, S, 38.....	April 30	Oct. 4-5	146	21.8	98	17,458
Carbondale: Jackson, Ex. S, 25.....	April 29	Sept. 29	64	19.3	92	17,805
30-inch rows, 20,000 plants per acre						
DeKalb: DeKalb, N, 30.....	May 4	Oct. 21-22	141	20.3	88	19,671
Monmouth: Warren, WNC, 42.....	May 4	Oct. 11-12	129	20.0	94	19,800
Urbana: Champaign, EC, 42.....	April 23	Oct. 6-10	160	24.5	99	19,433
Perry: Pike, WSC, 36.....	May 5	Oct. 14-15	147	19.2	88	19,625
30-inch rows, 22,000 plants per acre						
Brownstown: Fayette, S, 143.....	April 30	Oct. 4-5	157	21.2	98	20,931
Carbondale: Jackson, Ex. S, 90.....	April 29	Sept. 29	101	19.5	95	21,526
Dixon Springs: Pope, Ex. S, 60.....	April 30	Sept. 27-28	151	20.4	99	21,744
30-inch rows, 24,000 plants per acre						
Woodstock: McHenry, Ex. N, 110.....	May 3	Oct. 18	141	21.7	97	23,295
DeKalb: DeKalb, N, 182.....	May 4	Oct. 21-22	145	19.8	85	23,158
Elwood: Will, ENC, 163.....	May 10	Oct. 25	142	20.8	93	23,768
Monmouth: Warren, WNC, 200.....	May 4	Oct. 11-12	141	19.5	94	23,371
Urbana: Champaign, EC, 274.....	April 23	Oct. 6-10	167	21.6	99	22,833
Perry: Pike, WSC, 121.....	May 5	Oct. 14-15	150	19.2	92	22,909
30-inch rows, 28,000 plants per acre						
Kilbourne: Mason, C, 110.....	April 29	Sept. 30	132	21.4	61	27,218
Dixon Springs: Pope, Ex. S, 92.....	April 30	Sept. 27-28	166	20.5	99	27,082

Sources of Seed

Adler's Hybrids, Adler's Seeds, Inc., R.R. 1, P.O. Box 296, Sharpsville, IN 46068

Ag-ONE SEEDS Hybrids, Ag-ONE SEEDS, 1221 E. Phoenix St., P.O. Box 569, Delavan, WI 53115

Agri-Gold Hybrids, Akin Seed Co., R.R. 1, St. Francisville, IL 62460

Ainsworth Hybrids, Ainsworth Seed Co., R.R. 1, P.O. Box 153, Mason City, IL 62664

Americana Hybrids, Americana Seeds, Inc., Box 275, Bowen, IL 62316

Asgrow Hybrids, Asgrow Seed Co., 7000 Portage Road, Kalamazoo, MI 49001

Beck's Hybrids, Beck's Superior Hybrids, Rt. 2, Box 142, Atlanta, IN 46031

Bo-Jac Hybrids, Bo-Jac Hybrid Corn Co., R.R. 2, Mount Pulaski, IL 62548

Burrus Hybrids, Burrus Bros. & Associated Growers, Arenzville, IL 62611

CFS Hybrids, Custom Farm Seed, P.O. Box 160, Momence, IL 60954

Callahan Hybrids, Callahan Enterprises, Inc., 1122 E. 169th St., Westfield, IN 46074

Campbell Hybrids, Campbell Seeds, R.R. 3, Tipton, IN 46072

Cargill Hybrids, Cargill Seeds, P.O. Box 5645, Minneapolis, MN 55440

Coker Hybrids, Coker's Pedigreed Seed Co., P.O. Box 340, Hartsville, SC 29550

Cornelius Hybrids, Cornelius Seed Corn Co., R.R. 1, Bellevue, IA 52031

Crow Hybrids, Crow's Hybrid Corn Co., Box 306, Milford, IL 60953

Dairyland Seed Hybrids, Dairyland Seed Co., Inc., P.O. Box 958, West Bend, WI 53095

DeKalb Hybrids, DeKalb-Pfizer Genetics, Sycamore Road, DeKalb, IL 60115

Dennis Hybrids, Dennis Hybrid Corp., Box 487, Windfall, IN 46076

Dockendorff Hybrids, Dockendorff Hybrids, Inc., R.R. 2, U.S. Highway 34 West, Danville, IA 52623

Duesterhaus Hybrids, Duesterhaus Fertilizer, Inc., Box 248, Quincy, IL 62301

EK Premium Hybrids, EK Premium Seed Corn, R.R. 1, Berwick, IL 61417

F.S. Hybrids, Growmark, Inc., 1701 Towanda Ave., Bloomington, IL 61701

Federal Hybrids, Federal Hybrids, Rt. 2, Marion, IA 52302

Fuller Hybrids, Fuller Seed Co., Inc., Box 38, Lincoln, IL 62656

Funk's Hybrids, Funk Seeds International, P.O. Box 2911, Bloomington, IL 61701

Golden Acres Hybrids, Taylor Evans Seed Co., Box 68, Tulia, TX 79088

Golden Harvest Hybrids, Columbian Seed Co., Eldred, IL 62027

Golden Harvest Hybrids, Thorp Seed Co., Rt. 3, Clinton, IL 61727

Gold Tag Hybrids, Ferry-Morse Seed Co., Box 24, Geneseo, IL 61254

Great Lakes Hybrids, Great Lakes Hybrids, Inc., Box 637, Ovid, MI 48866

Griffith Pure Line Hybrids, Griffith Seed Co., McNab, IL 61335

Gutwein Hybrids, Fred Gutwein & Sons, Inc., R.R. 1, Box 40, Francesville, IN 47946

Henkel Hybrids, Henkel Grain Co., Inc., R.R. 1, Mendota, IL 61342

Hoblit Hybrids, Hoblit Seed Co., R.R. 2, Atlanta, IL 61723

Hughes Hybrids, Hughes Hybrids, Inc., 206 N. Hughes Road, Woodstock, IL 60098

Illinois Experimental Hybrids, University of Illinois Agricultural Experiment Station, U. of I. Department of Agronomy, Urbana, IL 61801

Kaltenberg Hybrids, Kaltenberg Seed Farms, 5506 Highway 19, Rt. 2, Waunakee, WI 53597

Kitchen Hybrids, Kitchen Seed Company, Inc., North Vine, Box 286, Arthur, IL 61911

Kruger Hybrids, Kruger Seed Co., P.O. Box 807, Cedar Falls, IA 50613

Landers Hybrids, Landers Seed Co., P.O. Box 120, Sullivan, IL 61951

Leader Hybrids, Leader Seeds, Inc., 7160 S.R. 118, Celina, OH 45822

Lewis Hybrids, Lewis Hybrids, Inc., Box 38, Ursa, IL 62376

Lowe Hybrids, Lowe Seed Co., P.O. Box 1685, Kankakee, IL 60901

Lynks Hybrids, Lynks Seeds, P.O. Box 637, Marshalltown, IA 50158

McAllister Hybrids, McAllister Seed Co., Inc., P.O. Box 28, Mt. Pleasant, IA 52641

McCurdy Hybrids, McCurdy Seed Co., P.O. Box 66, Fremont, IA 52561

Migro Hybrids, Migro, 5201 Johnson Dr., P.O. Box 2955, Mission, KS 66201

Moews Hybrids, Moews Seed Co., P.O. Box 277, Granville, IL 61326

Noble Brothers Hybrids, Noble Brothers, Inc., 523 S. Sangamon, Gibson City, IL 60936

Northrup-King Hybrids, Northrup-King Co., 1452 29th St., Suite 214, West Des Moines, IA 50265

O's Gold Hybrids, O's Gold Seed Co., P.O. Box 460, Parkersburg, IA 50665

P.A.G. Hybrids, P.A.G. Seeds/Cargill, Inc., P.O. Box 470, Aurora, IL 60507

Paymaster Hybrids, Paymaster Seeds, Box 467, Monticello, IL 61856

Pfister Hybrids, Pfister Hybrid Corn Co., El Paso, IL 61738

Pioneer Hybrids, Pioneer Hi-Bred International, Inc., Princeton, IL 61356

Pocklington Hybrids, Pocklington Seed Co., R.R. 2, Girard, IL 62640

Prairie Stream Hybrids, Prairie Stream Farms, Inc., R.R. 3, Frankfort, IN 46041

Premier Hybrids, Premier Hybrids, R.R. 15, Box 223X, Indianapolis, IN 46259

Pride Hybrids, Pride Co., Inc., P.O. Box 8, Glen Haven, WI 53810

Princeton Hybrids, Princeton Farms, Box 319, Princeton, IN 47670

Renk Hybrids, Renk Seed Co., Inc., R.R. 2, Sun Prairie, WI 53590

Ring Around Hybrids, Ring Around Products, Inc., 12000 Ford Rd., Suite 300, Dallas, TX 75234

Shissler GR-8 Hybrids, Shissler Seed Co., R.R. 3, Elmwood, IL 61526

Sieben Hybrids, Sieben Hybrids, Inc., Highway 82N, Geneseo, IL 61254

Sohigro Hybrids, Vistron Corp., P.O. Box 628, Lima, OH 45802

Stauffer Hybrids, Stauffer Seeds, A Subsidiary of Stauffer Chemical Co., 975 S. Durkin Dr., Springfield, IL 62704

Stewart Hybrids, Stewart Hybrids, Inc., Rt. 1, Princeville, IL 61559

Stewart Hybrids, Stewart Seeds, Inc., Rt. 8, Box 227, Greensburg, IN 47240

Stone Hybrids, Stone Seed Farms, Inc., Rt. 2, Pleasant Plains, IL 62677

Sturdy Grow Hybrids, Sturdy Grow Hybrids, Inc., P.O. Box 94, Arcola, IL 61910

Sun Prairie Hybrids, Champaign County Seed Co., Inc., Rt. 2, St. Joseph, IL 61873

Super-Crost Hybrids, Edward J. Funk & Sons, Inc., P.O. Box 67, Kentland, IN 47951

Thor-O-Bred Hybrids, Thor-O-Bred Seed Co., P.O. Box 1437, Champaign, IL 61820

Trisler Hybrids, Trisler Seed Farms, Inc., R.R. 1, Box 153, Fairmont, IL 61841

Trojan Hybrids, DeKalb-Pfizer Genetics, P.O. Box 33, Mason City, IL 62664

U.S.S. Hybrids, U.S.S. Agri-Chemicals, P.O. Box 1685, Atlanta, GA 30303

Voris Hybrids, Voris Seed, Inc., P.O. Box 457, Windfall, IN 46076

Weather Master Hybrids, Weather Master Seeds, Inc., Box J, Dassel, MN 55325

Whisman Hybrids, Whisman Hybrids, R.R. 1, Arcola, IL 61910

Wyffels Hybrids, Wyffels Hybrids, Inc., P.O. Box 246, Atkinson, IL 61235

Zimmerman Hybrids, Zimmerman Hybrids, Inc., 5147 W. Franklin Rd., Evansville, IN 47712

Corn Hybrid Trial Results

WOODSTOCK (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
ASGROW												
RX511.....	134	18.6	88	23505	147	20.9	83	23866	105	18.6	77	23885
RX610.....	149	21.2	94	21976								
RX629.....	131	22.6	93	21542								
CARGILL												
861.....	138	18.6	96	23477								
862.....	118	20.7	99	23938	137	20.8	96	23733				
872.....	144	22.3	95	23837	149	23.3	96	23866	124	20.9	91	23771
*921.....	150	22.7	96	23057	167	26.0	85	23733	122	24.5	90	24000
CORNELIUS												
C445X.....	145	22.4	98	23984	158	22.8	99	23866				
CROW												
199.....	136	19.1	99	23799								
555.....	149	22.5	96	22816								
DAIRYLAND												
DX1006.....	143	20.5	99	23649								
*DX1007.....	134	21.4	97	22938	168	22.7	95	23333	136	21.6	98	21257
DX1008.....	158	22.9	99	24000	157	23.2	96	24000	107	20.8	95	22742
DX1012.....	154	24.4	99	23989	152	25.6	99	22133				
DX1105.....	136	20.1	97	22988								
DX1110.....	133	21.6	98	23883								
DEKALB												
EX-2120.....	131	21.2	95	22917								
EX-2324.....	141	19.1	97	23861								
EX-2929.....	147	21.9	82	23149								
EX-4040.....	137	24.2	97	23442								
XL 28.....	139	21.2	94	23636	160	23.0	97	24000				
XL 32A.....	145	19.4	92	23888	171	22.5	92	23733	128	20.0	97	23885
XL 36.....	148	20.8	97	23500	158	23.1	97	23733				
*XL 55A.....	138	23.0	99	23901	152	24.1	98	23733	116	23.1	94	23085
EK PREMIUM												
EK7700.....	132	21.6	96	23317	152	22.9	95	23733	116	22.9	78	23085
EK7720.....	131	21.5	97	23829	154	23.0	94	24000	114	21.3	98	21714
EK7770.....	138	23.7	100	24000	166	25.0	94	23466	119	21.4	95	23771
EK7780.....	157	25.9	96	23632	172	25.3	99	23466				
EK8810.....	150	26.7	97	22338								
FUNK'S												
G-4315.....	112	19.7	96	22681	146	21.7	95	24000	110	20.3	91	22628
G-4342.....	140	22.2	97	24000								
G-4435.....	154	25.1	97	23710	158	26.1	94	23733				
G-4438.....	136	23.1	95	22844								
GOLD TAG												
GT1090.....	117	18.8	98	23392	145	20.5	88	24000	115	20.2	85	22971
GT1822.....	127	18.6	99	23996								
GT1906.....	131	20.1	98	23022								
GT2006.....	126	23.3	99	23697	159	22.7	97	23200	118	20.8	94	23200
GT2060.....	136	20.4	94	24000	159	22.9	91	23600	128	20.5	94	22857
GT3008.....	139	23.7	99	24000								
GREAT LAKES												
5922.....	141	22.4	95	23640								
GROWMARK												
FS 211.....	131	20.5	92	22846	156	21.4	92	23733	110	18.2	62	21942
FS 275.....	141	20.7	97	24000								
*FS 412.....	132	21.8	96	23485	166	21.5	93	24000				
*FS 444.....	145	20.5	95	23933	152	23.3	94	23333	117	20.1	91	23428
HUGHES												
*SLX-30A.....	135	20.7	93	24000	163	22.7	96	23466	112	22.2	95	21714
3690.....	159	18.8	97	23090	151	21.2	97	24000				
4891.....	138	21.6	99	23411								
KALTENBERG												
KX 61.....	137	20.4	99	23377	167	22.3	98	23066	113	20.4	93	23542
KX 67.....	146	22.3	100	22384	166	22.8	100	23733				
KX 73.....	152	23.3	99	23402	163	26.7	97	23866	145	22.2	97	23771
KX 77.....	142	27.4	96	23389								
LEWIS												
X21R.....	167	23.0	98	24000								
X22B.....	125	23.4	99	22891								
X53R.....	138	26.0	99	20309								
LYNKS												
LX4100.....	143	22.2	97	22471	154	22.9	97	23200	117	22.3	96	22171
LX4210.....	149	21.4	98	21959	159	22.3	97	23733				
LX4225.....	139	20.5	96	23830								
LX4315.....	150	24.8	96	23816								
MCCURDY												
4956.....	138	21.8	99	23860								
5596.....	156	20.9	93	23140	158	22.9	95	24000	119	21.2	83	23314
80-71.....	139	18.0	98	23337								

WOODSTOCK, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	
MIGRO												
EXP. 5084.....	128	17.5	99	22942								
HF 360.....	151	20.6	98	23320	177	22.8	99	23466				
HP 470.....	158	24.3	97	23193	156	26.5	97	22666	134	23.1	95	23657
O'S GOLD												
SX1170A.....	140	21.5	99	23350								
SX2450.....	150	23.6	99	20181								
SX5500A.....	156	26.5	97	23026	159	28.1	97	23733				
SX6880.....	152	20.3	100	23891	155	22.7	96	23733	114	20.2	95	23542
SX6882.....	167	24.6	98	23343	158	27.1	96	23466				
PAYMASTER												
2990.....	138	20.3	99	23791								
PFISTER												
1650.....	140	19.2	92	22444								
1720.....	137	21.4	100	23345								
30A.....	133	21.3	92	23698								
30.....	110	21.8	94	22922	160	22.3	94	23866	109	20.6	81	23771
PIONEER												
*3732.....	151	20.9	99	23994								
*3747.....	132	20.3	98	23890								
*3780.....	142	17.9	93	23729	157	21.4	97	23466	127	19.2	96	21714
POCKLINGTON												
P-223.....	127	25.3	96	23698								
PRIDE												
4422.....	131	18.4	99	23316								
5523.....	143	20.3	98	24000								
5592.....	135	21.9	98	23690								
6611.....	144	22.8	97	23740	155	23.5	99	22666				
P-A-G												
EXP. 000164.....	151	21.6	98	23715								
EXP. 131161.....	149	23.6	99	21366								
SX 181.....	123	19.9	96	23852	142	21.6	94	23733	106	21.1	82	22628
*SX 397.....	124	22.5	89	22275	142	25.1	77	24000	114	22.4	88	23771
RENK												
RK24.....	139	20.4	100	22486	157	22.8	97	23866				
RK66.....	134	22.0	93	21117	157	22.8	96	23600				
RK75.....	154	25.1	98	22525								
RK77.....	159	26.9	100	23460	187	27.5	92	23466				
STAUFFER SEEDS												
S 4402.....	135	18.2	98	24000								
S 5602.....	141	20.2	99	23755								
S 5650.....	165	22.0	98	22235								
606.....	140	20.6	93	24000								
STEWART HYBRIDS												
6300.....	123	23.2	97	22831								
STONE SEED FARMS												
SX29.....	143	22.2	99	23973								
SX30.....	131	20.1	91	23940								
SUPER-CROST												
2396.....	140	19.2	98	23363	151	22.0	97	23866	117	19.9	94	23428
2410.....	158	20.3	100	23232	162	22.6	98	23866				
2790.....	143	21.7	99	23639	152	22.9	93	22933				
4337.....	145	24.4	98	23113	166	24.6	99	23466				
80056.....	144	21.1	97	23605								
THOR-O-BRED												
SSX 424.....	140	20.9	99	24000								
SX 400.....	153	19.0	95	24000								
TROJAN												
T 1000.....	142	20.3	100	23564	162	22.1	96	22000				
T 1100.....	148	24.4	97	19663	176	25.6	98	23733				
T 950.....	153	19.1	96	22041	156	21.2	97	24000				
WEATHER MASTER												
MX6050.....	134	20.8	98	23787								
WX5060.....	137	19.1	98	23243								
6190.....	129	22.2	98	24000								
AVERAGE.....	141	21.7	97	23295	155	23.0	95	23467	117	21.1	89	23101
L.S.D. 10% LEVEL.....	21	1.2	5	1643	17	1.0	4	992	20	1.3	14	..
L.S.D. 30% LEVEL.....	13	0.8	3	1034	11	0.6	3	624	13	0.8	9	..
STD ERR OF HYBRID MEAN...	9	0.5	2	703	7	0.4	3	424	9	0.5	6	735

Corn Hybrid Trial Results

DEKALB (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
ASGROW												
RX511.....	147	19.4	92	20000	146	19.2	80	19733				
RX610.....	145	20.7	88	20000								
RX622.....	152	22.3	87	19893								
RX777.....	128	18.2	90	20000	145	23.8	96	19333	143	19.6	95	18444
DENNIS												
4.....	138	20.8	84	19827								
EK PREMIUM												
EK7770.....	141	19.4	92	19977								
EK7780.....	150	20.0	85	20000								
GROWMARK												
FS 211.....	157	19.4	83	18322	111	20.5	84	20000	141	16.5	79	19555
FS 275.....	143	21.4	89	19967								
FS 444.....	140	23.7	94	19595	147	21.0	93	19200				
FS 675.....	129	19.3	86	20000								
LEWIS												
X22B.....	151	22.5	81	20000								
X53B.....	125	19.2	85	15840	152	23.0	98	20000				
M CALLISTER												
SX7402.....	131	19.7	91	19965								
SX8003.....	137	20.5	94	19829	129	20.9	96	18933				
MIGRO												
EXP. 5084.....	147	20.0	83	19982								
HP 360.....	132	20.7	96	20000	134	20.5	96	20000				
HP 401.....	139	21.7	90	19333	141	21.8	92	19600				
POCKLINGTON												
P-633.....	150	20.6	90	18553								
P-A-6												
EXP. 000164.....	134	20.5	85	19733								
EXP. 131161.....	131	18.1	93	19839								
SX 181.....	152	19.8	86	19991	128	20.1	89	19466	131	17.7	97	20000
SX 397.....	133	20.2	78	20000	135	23.5	92	20000				
RENK												
RK24.....	145	20.7	91	19815	143	21.0	93	19733				
RK66.....	138	18.8	91	19812	131	22.1	89	20000				
RK75.....	131	19.9	85	19951								
RK77.....	146	20.3	94	19983	150	25.1	91	19733				
WEATHER MASTER												
MX6050.....	134	20.7	94	19668								
WX5060.....	136	18.8	88	19587								
6190.....	143	19.3	84	20000								
AVERAGE.....	141	20.3	88	19671	137	22.5	93	19544	147	18.6	94	19521
L.S.D. 10% LEVEL.....	..	..	1121		16	1.6	7	..	19	0.9	6	..
L.S.D. 30% LEVEL.....	..	..	702		10	1.0	4	..	12	0.5	3	..
STD ERR OF HYBRID MEAN....	9	1.2	4	474	7	0.6	3	451	8	0.9	2	387

Corn Hybrid Trial Results

**DEKALB: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)**

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE
AG-ONE-SEEDS												
AG-E104.....	139	19.3	75	23727								
AG-FG108.....	157	18.9	94	23059								
AG-GH113.....	149	18.6	92	21783								
AG-OH114.....	156	20.0	79	22605								
AG-G110.....	147	21.1	94	23732								
AMERICANA												
C400.....	146	19.1	82	23754	155	22.1	97	23733				
2600.....	132	21.2	91	23955	151	20.0	96	23866				
2900.....	150	19.6	88	23445	147	21.4	94	24000				
3030.....	143	20.1	85	21438	151	22.0	93	23066	154	17.0	92	23428
3100.....	139	19.7	82	22530	179	24.2	97	23466				
ASGROW												
RX610.....	150	19.4	89	23537								
RX622.....	125	19.4	58	23623								
RX777.....	161	20.1	88	23578	155	23.3	94	24000	157	20.2	100	23542
BECK'S												
45X.....	143	19.3	96	23176	164	22.1	97	23733				
60X.....	154	20.8	81	23826	150	25.0	98	23866				
65XS.....	138	19.4	89	23650	174	23.8	94	23733				
BO-JAC												
14.....	124	19.3	79	23335					137	16.6	94	23771
214.....	156	18.7	79	23567					168	16.5	98	23657
432.....	143	20.3	89	23805					155	17.3	97	24000
440.....	141	18.8	82	23751					167	18.5	99	24000
452.....	136	19.6	75	22827								
CARGILL												
861.....	129	19.1	79	22663								
872.....	155	21.5	91	23387	143	23.3	93	23200	163	17.1	98	20914
921.....	143	17.8	87	22074	169	25.6	96	24000	142	19.4	95	22171
924.....	142	19.3	70	23207					155	19.1	95	22742
CFS												
W3610.....	147	19.2	84	23795					136	17.4	93	22285
W4000.....	146	19.8	95	23319								
4003.....	136	21.4	82	23635								
6000.....	153	19.9	79	23152	163	25.5	99	22666				
CORNELIUS												
C44SX.....	163	19.7	87	23011	164	21.1	100	22800				
C62SX.....	137	19.9	90	23936	157	24.7	95	23466	145	18.2	97	23657
SX34.....	158	20.9	90	23419	151	20.9	94	23466				
CROW												
199.....	150	19.5	89	23869								
444.....	139	20.7	81	23631								
DAIRYLAND												
DX1006.....	136	18.9	85	23907								
DX1007.....	138	18.1	79	23703	160	20.3	90	22800	151	16.8	90	23428
DX1008.....	141	18.8	74	23797	158	21.4	95	23200	158	17.7	95	23657
DX1012.....	133	19.0	84	23275	150	24.1	95	22133	161	18.5	96	23657
DX1016.....	167	22.1	86	21680	174	25.0	94	23066	150	19.4	95	23771
DX1105.....	142	18.8	87	22627								
DX1110.....	133	17.8	86	23107								
DEKALB												
EX-2324.....	139	20.7	68	23876								
EX-2928.....	139	21.9	86	23042								
EX-4040.....	146	18.3	73	23354								
EX-6060.....	158	21.9	88	23953								
EX-6261.....	150	19.9	87	22404								
XL 32A.....	132	19.1	82	23965								
*XL 55A.....	138	18.7	86	23043	169	23.7	93	23600	142	17.6	93	22971
XL 72AA.....	130	18.0	65	22151	163	25.7	92	22800	159	18.8	95	23314
XL 73.....	133	18.9	79	22694								
DENNIS												
3A.....	157	20.2	87	21829								
FEDERAL												
FX29.....	153	19.8	85	20453	153	20.9	93	24000				
FX6.....	143	21.3	93	23789	138	20.7	94	23733	142	17.1	94	22971
FUNK'S												
G-4315.....	149	20.6	89	23538	149	20.8	93	23866				
G-4342.....	138	19.8	89	24000								
G-4435.....	153	19.3	85	24000	154	26.7	94	23600				
G-4438.....	140	18.1	89	23552								
GOLD TAG												
GT1822.....	144	18.7	88	23558								
GT2006.....	159	20.9	87	23418	151	21.5	96	22800	156	17.1	97	23314
GT3006.....	151	19.1	80	21706	144	25.0	95	23466	165	18.5	97	21828
GT3008.....	130	18.7	60	23461	140	22.9	93	22266				
GT3020.....	153	20.0	86	23712					155	19.5	96	23771
GREAT LAKES												
GL 477.....	143	19.5	79	23434								
5922.....	136	19.7	87	22447	157	23.9	90	22800	151	19.2	98	23200
80103.....	132	20.4	72	23583								

DEKALB: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS
GRIFFITH PURE LINE												
*PL230.....	133	18.6	83	23843								
GROWMARK												
FS 275.....	134	20.5	88	23813								
FS 412.....	141	19.0	82	23221	149	21.4	89	24000	139	17.3	94	23085
*FS 444.....	138	18.2	83	22311	151	21.6	95	23333				
FS 675.....	148	21.5	82	23423								
GUTWEIN												
2180.....	160	20.9	70	22073	161	20.0	90	23466	143	16.0	92	22400
2215.....	151	19.1	79	21088								
2462.....	145	20.4	84	23368								
46.....	125	20.2	81	23845	153	22.1	92	23333	162	17.4	93	22971
HENKEL												
H-14A.....	147	20.6	86	23502								
H-17A.....	143	19.1	89	21316	149	22.0	90	23466				
H-19.....	149	20.2	94	23968	141	26.1	98	23733				
H-20.....	147	19.0	79	22748	146	23.0	89	23200	151	18.6	91	23428
HUGHES												
*SLX-30A.....	145	19.2	83	23842	148	21.5	92	23866	146	17.2	91	22400
SLX-39A.....	148	21.5	86	23595								
6210.....	151	20.8	88	21685	156	23.9	95	23066				
6230.....	132	21.4	97	23754	169	22.5	97	22800				
KALTENBERG												
KX 61.....	160	23.9	90	21714	158	21.6	99	23733	161	17.4	99	23885
KX 67.....	151	21.5	96	23488	160	22.3	95	21733				
KX 73.....	132	21.0	88	22541	145	26.0	95	22800	161	19.0	99	23885
KX 77.....	147	20.6	81	18962	165	24.8	95	24000				
LEADER												
SX495.....	155	19.3	91	23148	171	22.1	95	22666				
SX510.....	137	18.1	78	23614	146	20.0	89	23866	152	17.7	76	23542
SX555.....	143	19.4	87	22387	135	23.6	83	23733	133	19.7	90	22628
SX575.....	144	18.6	86	22406								
LEWIS												
X21B.....	123	18.3	79	23763								
X53B.....	176	21.6	88	16254	162	22.9	97	24000	178	18.2	93	24000
LOWE												
LSX 217.....	153	19.1	89	23753	155	21.1	97	23466	155	16.9	95	23771
LSX 237.....	131	22.2	82	22878	153	22.0	99	23200				
LSX 317.....	138	19.1	91	23843	130	25.1	96	21466	166	18.6	97	23771
LYNKS												
LX4100.....	144	19.8	93	24000	157	22.1	94	21600	162	17.6	98	23657
LX4210.....	144	20.9	79	20901	160	21.5	97	22933				
LX4225.....	156	20.9	90	23405								
LX4315.....	149	19.4	90	23966	179	24.0	96	22266	163	18.9	95	23657
M CALLISTER												
SX7300B.....	144	19.6	91	23885	170	27.7	97	23466	174	21.8	98	23542
SX7300I.....	141	19.4	86	23618								
SX7406.....	134	22.6	84	24000	150	25.9	93	23866	165	21.0	96	23200
SX7909.....	147	20.0	88	23968	147	26.1	98	22800	175	19.5	97	23885
SX8003.....	169	20.1	89	22931	151	21.7	94	23866	146	17.4	98	21714
SX8008.....	156	21.0	90	23320								
SX8102.....	150	20.1	91	23607								
MCCURDY												
4956.....	146	20.0	88	23895	150	21.9	94	23600				
5596.....	149	19.6	77	23915	171	22.7	93	23733	160	17.7	91	23200
6475.....	127	18.9	69	23995	145	23.8	90	24000				
6555.....	162	20.1	86	23168	158	24.7	96	23733	151	18.8	96	24000
MIGRO												
EXP.5084.....	133	21.1	84	23997								
HP 360.....	127	20.6	88	24000	150	21.6	96	22800				
HP 401.....	146	19.3	94	23190	143	22.8	96	23466				
HP 470.....	130	17.9	82	23253	157	24.6	97	23733	162	18.9	100	23657
NOBLE BROS.												
NB2381.....	138	19.1	78	22945	145	22.3	95	23866	166	17.1	92	23542
NB2391.....	150	19.6	89	22699	172	21.9	93	24000	165	17.8	94	22285
NORTHROP-KING												
PX39.....	148	19.1	80	23747	150	21.4	90	23466	122	16.8	88	23314
PX69A.....	140	19.3	90	23539	159	21.0	92	23733	147	18.3	94	23657
PX9454.....	147	19.7	87	23324	162	22.0	93	24000				
O'S GOLD												
SX1107.....	170	20.5	92	23670	152	22.3	95	23333	156	17.5	95	23200
SX117QA.....	141	19.5	65	23458								
SX2450.....	155	19.7	76	22566								
SX5500AB.....	146	20.6	90	22819	171	25.0	93	23866	169	20.8	96	22628
SX5500A.....	150	20.2	86	23154	160	25.4	92	23866	150	18.8	97	23428
SX6880.....	130	18.8	83	23367	132	22.0	96	22800				
SX6882.....	137	19.3	89	23866	167	25.8	97	23200				

DEKALB: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS
PAYMASTER												
2990.....	139	18.9	89	23914								
4790.....	133	19.1	92	23989								
PFISTER												
1650.....	141	21.8	86	23446								
1720.....	152	19.6	55	22315								
1810.....	143	19.6	86	23973								
2400.....	159	20.5	79	22754								
30.....	137	17.9	87	22813								
PIONEER												
*3541.....	148	20.1	86	21835								
*3780.....	156	19.5	94	23587								
POCKLINGTON												
P-401.....	142	19.5	85	23045								
PRAIRIE STREAM												
SX50.....	165	21.2	76	23626								
PRIDE												
4422.....	159	21.5	82	23934								
6611.....	130	16.6	71	22020								
6692.....	140	19.0	94	23807								
P-A-G												
EXP. 000164.....	153	19.5	89	22738								
EXP. 131161.....	150	18.5	86	23965								
SX 181.....	130	20.6	87	23706								
*SX 397.....	150	20.4	85	23424								
RENK												
RK24.....	122	20.4	92	23938								
RK66.....	159	20.7	88	23027								
RK75.....	159	20.5	71	23266								
RK77.....	161	20.6	86	21979								
SIEBEN												
22XS.....	127	18.3	82	23844								
23XS.....	160	18.6	89	23420								
28XS.....	144	19.7	85	22919								
35XS.....	151	20.1	97	23173								
45XS.....	161	22.1	84	23670								
SOHIGRO												
S35.....	155	20.6	92	23705								
S39.....	138	19.2	79	23672								
S48.....	138	18.5	80	23956								
STAUFFER SEEDS												
S 5602.....	135	18.9	84	23407								
S 5650.....	146	18.2	90	23008								
S 6595.....	147	19.0	87	23903								
606.....	156	20.6	84	21287								
STEWART HYBRIDS												
6300.....	149	19.5	90	21408								
6310.....	152	19.5	85	20711								
6873A.....	144	19.4	82	22356								
7389.....	136	23.0	91	23503								
SUPER-CROST												
2396.....	140	19.7	91	24000								
2410.....	148	21.3	94	22949								
2790.....	141	18.8	86	23586								
4337.....	128	18.1	83	21992								
80056.....	152	19.8	82	22386								
THOR-O-BRED												
SSX 424.....	154	19.8	82	23647								
SSX 536.....	142	18.8	85	23764								
SX 400.....	146	21.9	94	23985								
TROJAN												
T 1000.....	149	20.5	82	22822								
T 1058.....	135	19.3	95	23738								
T 1069.....	134	21.7	83	23479								
*T 1100.....	135	17.5	95	22468								
T 950.....	134	20.0	88	23863								
VORIS												
V 2411.....	147	20.0	95	23782								
V 2472.....	136	20.2	78	23108								
V 2491.....	145	20.1	91	23552								
WYFFELS												
*W-26.....	162	22.9	91	23245								
*W-48.....	135	19.5	87	23742								
AVERAGE.....	145	19.8	85	23158								
L.S.D. 10% LEVEL.....	..	..	1474	18	1.7	5	1289	20	1.0	7	..	..
L.S.D. 30% LEVEL.....	..	..	929	11	1.1	3	812	13	0.6	5	..	..
STD ERR OF HYBRID MEAN...	10	1.1	6	632	7	0.7	2	553	9	0.4	3	754

**Corn Hybrid Trial Results
ELWOOD (24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)**

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
ADLER'S												
2910.....	146	19.7	97	24000								
30X.....	151	20.2	98	23571								
60X.....	155	23.4	90	23857								
AINSWORTH												
X-908.....	127	21.3	92	23142	155	22.4	92	22933				
X-912.....	148	22.1	93	23857								
AMERICANA												
C400.....	142	19.2	98	23428								
2600.....	136	17.7	94	24000	150	19.4	99	23333				
2900.....	149	18.8	97	23428	152	20.9	96	23733				
3030.....	128	20.1	84	23428	174	21.2	98	23333				
3100.....	142	21.3	98	23000	161	22.1	95	22933				
3120.....	142	21.2	94	24000	135	22.6	93	22666				
3200.....	149	21.6	89	22857								
ASGROW												
RX511.....	113	19.4	70	24000	132	18.2	82	23733	125	17.4	97	23542
RX610.....	136	19.8	87	24000								
RX622.....	114	20.2	85	23142								
RX777.....	125	23.3	89	23714	157	21.9	92	23466				
BECK'S												
45X.....	143	18.7	96	23428	145	19.3	98	23733				
60X.....	123	20.4	91	24000	136	21.0	94	23733	141	18.8	98	22057
65XS.....	141	22.4	90	24000	148	22.2	93	23200				
BO-JAC												
14.....	152	18.0	89	23428								
214.....	150	18.7	98	24000					141	18.8	99	22514
432.....	151	20.2	97	24000					160	19.9	100	23428
440.....	153	21.8	95	24000								
452.....	136	21.5	95	24000								
CALLAHAN												
C744.....	136	19.9	97	22571								
CARGILL												
861.....	133	17.3	95	24000								
872.....	108	21.1	91	24000	139	24.3	93	23866	124	21.3	90	23771
*921.....	144	20.4	94	24000					107	16.8	99	23085
CFS												
W3610.....	121	18.4	85	24000					141	19.4	94	21714
W4000.....	145	21.8	95	24000	158	23.5	94	23866	141	19.4	94	21714
W6420.....	138	21.8	92	24000								
6007.....	123	21.4	86	23714								
CRDW												
*444.....	156	21.7	97	23714								
555.....	137	20.8	92	23857								
DAIRYLAND												
DX1006.....	154	18.9	92	24000								
DX1007.....	129	21.4	92	23714								
DX1008.....	138	19.4	99	23714								
DX1012.....	161	20.0	97	23571								
DX1016.....	134	23.6	91	23285								
DX1020.....	157	24.8	97	23428								
DX1105.....	154	19.5	84	23714								
DEKALE												
EX-2324.....	134	17.7	97	24000								
EX-2928.....	141	18.3	87	24000								
EX-4040.....	124	20.7	98	24000								
EX-6060.....	146	22.8	89	22714								
XL 32A.....	122	19.1	88	24000								
XL 36.....	149	19.2	86	24000	147	20.0	98	22933				
*XL 55A.....	142	20.6	92	24000	142	21.6	96	22933	128	19.6	91	23542
XL 57.....	137	21.7	96	23857								
XL 61.....	135	25.3	94	24000	142	24.5	93	23333	137	21.0	96	23314
**XL 67.....	125	21.8	77	23571	156	23.5	96	23866	137	20.7	92	21142
DENNIS												
10A.....	156	18.6	96	24000								
25.....	153	22.3	98	24000								
3A.....	143	18.4	95	24000	147	19.1	97	22933	148	20.3	100	22285
4.....	139	18.6	97	23285								
FUNK'S												
*G-4315.....	119	17.5	93	24000	127	19.1	97	23600	119	17.4	97	21600
G-4342.....	140	20.2	86	24000								
G-4435.....	146	21.0	93	24000	141	21.2	92	23866	124	19.4	98	23314
G-4438.....	129	20.7	94	24000								
G-4514.....	145	23.9	95	24000								
G-4522.....	154	22.7	92	24000	162	24.7	94	23066				

ELWOOD, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE
GREAT LAKES												
GL 522.....	136	19.4	94	24000								
GL 552.....	132	20.6	95	24000	150	19.7	95	23333				
GL 592.....	141	21.5	97	24000	144	21.4	97	23066				
5922.....	114	22.7	91	24000	132	21.7	95	22800				
80103.....	143	19.1	93	24000								
GROWMARK												
FS 275.....	132	19.4	93	24000								
FS 412.....	146	18.5	75	24000	142	19.7	95	23200				
FS 444.....	133	19.9	85	24000	143	19.6	94	23733	126	18.6	98	23771
*FS 675.....	145	21.8	99	24000	152	21.3	97	23866				
GUTWEIN												
2215.....	147	19.8	95	23714								
2462.....	145	20.6	87	23857								
2610.....	137	21.1	98	24000								
46.....	139	19.4	86	24000								
LEADER												
SX495.....	159	18.6	94	24000	145	19.7	98	24000				
SX510.....	138	19.2	89	24000	152	22.2	94	23066	122	18.9	94	23428
SX555.....	144	21.3	94	22714	143	21.1	93	24000	148	21.0	99	23542
SX575.....	151	22.8	94	24000								
SX610.....	129	23.6	93	23000	136	22.6	89	23866	147	20.0	98	22971
LEWIS												
X53B.....	138	21.8	98	21571	152	21.4	98	24000				
X54B.....	151	20.3	97	24000	167	21.1	99	21866				
X58B.....	163	21.4	96	23714	158	21.4	98	23466				
X59B.....	154	23.9	96	23428								
X63B.....	158	23.0	96	23142								
X74B.....	160	26.9	97	24000	161	27.2	97	23733				
LYNKS												
LX4210.....	141	18.1	98	23428	140	19.7	100	22133				
LX4225.....	133	20.0	90	24000								
LX4315.....	138	22.2	98	23571	177	21.7	97	23333	148	20.1	100	22742
M CALLISTER												
SX7300B.....	160	24.0	94	24000	160	26.1	98	22933				
SX7406.....	161	22.5	97	24000	147	23.7	92	22133	148	22.0	98	23542
SX7909.....	159	22.7	97	22857	150	23.1	97	22000	131	20.7	98	22285
SX8001.....	135	19.5	99	24000	131	20.1	97	23866				
SX8102.....	142	18.5	97	24000								
MCCURDY												
4956.....	144	19.1	92	23857								
5596.....	151	20.1	76	24000	142	20.2	98	24000	146	17.9	95	23657
6555.....	123	20.4	92	24000	153	21.6	98	22533				
7384.....	153	23.1	93	24000								
MIGRO												
EXP. 5768.....	149	23.0	89	24000								
HF 360.....	150	18.4	98	24000	143	19.1	99	22800				
HP 470.....	148	21.2	96	23142	153	21.2	97	23333	146	19.4	98	22742
NORTHRUP-KING												
PX39.....	150	19.6	93	24000	153	19.7	97	22533	118	18.3	95	24000
X7002.....	150	22.3	94	24000								
O'S GOLD												
SX1107.....	143	18.6	88	24000	138	19.8	95	22933	135	17.8	96	24000
SX1170A.....	126	19.9	97	24000								
SX5500AB.....	126	24.1	90	24000	148	24.6	89	23866	158	21.7	100	23885
SX5500A.....	163	22.3	88	23714	143	22.5	98	23333	127	20.3	97	23885
SX6880.....	131	19.7	97	24000	131	19.3	97	23333				
SX6882.....	148	21.5	97	23428	152	22.1	93	22933				
PAYMASTER												
4790.....	153	21.5	97	24000								
PFISTER												
1720.....	131	19.1	90	24000								
1810.....	137	21.3	82	24000	132	19.5	92	23733				
2400.....	132	20.8	93	24000								
2820.....	143	20.8	93	24000								
30.....	146	21.6	94	23857					125	18.8	97	22971
PIONEER												
*3541.....	148	19.3	93	23142	143	20.6	95	24000	138	17.1	99	23085
*3732.....	142	19.1	97	23714	152	19.2	98	23866				
*3780.....	129	17.7	91	24000	138	19.1	98	24000	127	16.7	98	23428
PRIDE												
6678.....	127	20.5	89	23285	152	21.0	96	23333	129	17.9	97	24000
6692.....	162	20.4	98	24000								
7759.....	151	23.4	92	24000	151	22.8	92	24000	147	22.1	97	23542

ELWOOD, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE
P-A-G												
SX 181.....	122	18.2	95	23428	125	19.2	94	24000				
SX 333.....	161	21.2	95	23285	136	23.2	97	23600				
SX 351.....	148	23.1	98	23428	145	24.0	93	23866				
*SX 397.....	124	19.1	83	23857	155	21.5	92	23333	116	18.5	89	22514
SHISSLER												
GR-8 168.....	147	19.0	95	24000								
GR-8 175.....	133	19.1	98	24000								
GR-8 176.....	149	22.2	98	23857								
GR-8 190.....	142	22.9	93	24000								
STAUFFER SEEDS												
SUPER 80.....	135	23.7	95	24000	144	23.7	96	23600				
S 5260.....	138	19.3	98	23857								
S 5602.....	149	19.8	97	24000								
S 5650.....	142	20.6	92	24000								
S 6595.....	155	20.9	96	23857								
606.....	117	19.2	89	24000								
STEWART HYBRIDS												
6310.....	131	22.4	91	23142								
6873A.....	140	20.1	90	23000								
7389.....	155	21.5	95	23857								
STONE SEED FARMS												
SX29.....	123	19.4	97	23000								
SX30.....	135	19.5	94	24000								
SUPER-CROST												
2396.....	140	19.9	94	23428	135	19.1	97	23200	127	16.9	99	22400
2410.....	144	18.9	97	23857	133	19.0	97	23866				
2790.....	139	19.6	97	24000	141	19.5	97	23866				
4337.....	153	21.3	97	23714	147	21.8	98	23466				
80056.....	147	19.8	93	24000								
THOR-O-BRED												
SSX 424.....	142	17.5	96	22714								
SX 400.....	136	18.0	86	23857								
TRISLER												
T-2660.....	154	19.7	95	24000	130	20.0	96	22000				
T-2900.....	141	20.3	91	24000	133	19.8	92	23066				
T-2920.....	145	19.6	92	23714								
T-5250.....	147	21.7	96	24000	135	21.6	97	23733				
T-5256.....	148	21.4	94	23142	132	21.5	89	23733				
T-5470.....	135	24.4	94	24000	157	23.9	97	23600				
T-5750.....	134	24.3	96	24000								
81-8.....	150	18.5	99	23714	145	19.3	97	23066				
TROJAN												
T 1000.....	132	18.5	93	23571	150	19.2	98	23600				
T 1058.....	146	20.0	91	23857	141	20.2	97	24000	131	19.3	99	23085
T 1069.....	131	21.5	94	24000	159	19.5	96	23200	111	18.4	97	23428
T 1100.....	151	21.5	97	24000	160	22.0	97	23066				
VORIS												
EXP. 0064.....	141	19.2	92	24000								
EXP. 1007.....	133	25.3	93	24000								
V 2472.....	136	20.1	92	24000	145	19.5	97	24000				
V 2491.....	128	22.9	96	24000	156	21.2	97	23733				
V 2521.....	131	23.4	94	24000	158	25.0	99	22000				
AVERAGE.....	142	20.8	93	23768	145	21.5	95	23365	132	19.5	97	23152
L.S.D. 10% LEVEL.....	21	1.7	7	..	19	1.3	5	..	19	0.9	4	1214
L.S.D. 30% LEVEL.....	13	1.0	4	..	12	0.8	3	..	12	0.6	2	765
STD ERR OF HYBRID MEAN...	9	0.7	5	379	8	0.5	2	519	8	0.4	2	520

Corn Hybrid Trial Results

MONMOUTH (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS					1981 RESULTS †					1980 RESULTS †				
	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE			
AINSWORTH															
X-719.....	138	20.0	96	19991		180	21.5	92	20000		148	18.1	98	18216	
X-920.....	131	20.1	85	20000		171	23.0	89	20000						
AMERICANA															
3200.....	109	19.4	89	19991		174	21.1	93	20000		147	17.7	99	19121	
4100.....	132	19.5	98	19328											
4500.....	143	19.9	89	19993		174	21.2	90	19600		146	18.3	98	19650	
4640.....	156	21.1	97	19331		164	23.6	98	19066		141	20.3	98	17988	
4700.....	119	19.9	90	20000											
4730.....	140	23.2	94	19851		166	23.7	96	20000						
BO-JAC															
452.....	140	18.9	98	19860		183	20.2	96	20000						
5601.....	137	20.2	94	19737											
CARGILL															
921.....	111	19.6	84	19866											
924.....	125	19.8	96	20000											
967.....	164	19.8	87	19991											
DUESTERHAUS															
DS108.....	128	17.0	96	20000											
DS112.....	129	19.3	93	19988											
DS115.....	119	20.0	86	19465											
FEDERAL															
FX39.....	132	19.2	83	19342											
FX8.....	85	19.0	96	20000											
GOLD TAG															
GT4022.....	108	21.0	95	20000											
LEWIS															
X52B.....	121	19.9	92	19995		161	21.1	90	19466						
X58B.....	130	19.6	95	19996		175	21.4	97	19866						
X74B.....	123	22.3	94	19596		175	24.7	96	20000						
MCALLISTER															
SX7300B.....	138	23.3	95	19871		174	24.5	97	19733		159	19.9	98	18551	
SX8003.....	131	17.9	96	20000		145	19.0	99	20000						
MIGRO															
EXP.5768.....	129	20.5	95	19743											
HP 401.....	112	17.0	96	19589		143	19.5	96	20000						
HP 470.....	144	18.4	97	20000											
POCKLINGTON															
P-501.....	135	20.5	94	19864											
P-660.....	132	19.9	98	20000											
P-A-G															
SX 277.....	122	17.7	93	20000											
SX 333.....	135	19.6	95	19732		163	21.3	95	20000						
SX 351.....	131	20.0	97	19882		170	22.0	90	19333		121	18.3	98	19330	
SX 397.....	134	18.6	89	19746		144	19.4	83	19333						
SUN FRAIRIE															
SP230.....	138	18.9	96	19725											
SP232.....	130	19.4	89	19994											
SP455.....	136	22.5	98	19323											
THOR-O-BRED															
SSX 536.....	130	19.3	99	19591											
SX 544.....	113	19.7	89	19076											
WHISNAND															
53W.....	139	21.2	94	19732											
55W.....	119	25.0	96	19330		170	24.8	86	19866						
77W.....	111	20.5	86	19992		132	23.1	85	19866						
AVERAGE.....	129	20.0	94	19800		164	21.6	94	19683		135	18.2	98	19054	
L.S.D. 10% LEVEL.....	24	1.0	7	..		12	0.9	5	720		21	1.1	..	..
L.S.D. 30% LEVEL.....	15	0.6	4	..		7	0.5	3	452		13	0.7	..	..
STD ERR OF HYBRID MEAN....	10	0.4	3	297		5	0.4	4	306		9	0.5	4	627	

[†]FROM SIMILAR TEST LOCATION NEAR GALESBURG.

Corn Hybrid Trial Results
MONMOUTH: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS +				1980 RESULTS +			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
AINSWORTH												
X-516A.....	134	19.4	88	23466								
X-617.....	147	20.7	98	22533	189	22.7	88	23200	156	20.2	98	21965
X-908.....	139	19.4	94	22266								
X-912.....	140	18.9	94	23600								
X-918.....	148	22.7	89	23866								
AMERICANA												
C400.....	146	17.8	92	23200								
2900.....	125	17.5	94	22400								
3030.....	112	18.5	83	22933	164	19.0	90	22666	133	15.5	97	23349
3100.....	176	19.2	96	23866	172	20.1	97	23600				
3120.....	138	18.2	92	23466	177	20.7	89	22933				
BECK'S												
86X.....	145	22.1	97	23733								
89X.....	138	19.9	95	23866								
BO-JAC												
432.....	150	17.4	94	22800					131	15.4	96	23182
440.....	132	18.0	94	23733								
452.....	128	18.4	93	23733	183	20.5	90	23466	147	16.8	94	23338
5601.....	139	20.3	91	24000								
562.....	153	22.7	96	23466	177	23.3	89	23466	164	19.1	99	23811
CARGILL												
921.....	141	19.1	90	23600	161	20.3	88	23866	144	16.2	98	23502
924.....	126	20.3	97	23733	158	20.6	93	23866	136	17.2	100	22698
967.....	161	20.1	92	24000					132	18.7	99	22898
CFS												
E97000.....	177	22.3	96	23733								
222.....	128	18.9	90	23066	161	21.1	96	23733	135	17.3	98	22859
4000.....	151	20.0	95	23866	170	21.5	90	23200	151	17.7	97	21513
6000.....	152	18.2	94	23866	179	20.5	95	23333	145	16.3	98	22742
8000.....	174	20.9	94	22666					120	20.8	96	22207
CORNELIUS												
C62SX.....	158	19.4	94	23466	177	19.8	95	24000	153	16.7	98	22518
C72SX.....	119	20.5	93	22400								
CROW												
444.....	145	17.6	95	22666								
555.....	119	19.6	88	24000								
DAIRYLAND												
DX1006.....	144	17.4	95	22800								
DX1007.....	129	18.0	96	24000	154	18.6	93	23600				
DX1008.....	145	18.0	94	22133	144	18.2	96	23066				
DX1012.....	144	17.9	95	22266	145	19.9	94	21200	148	16.6	98	23595
DX1016.....	171	19.6	93	23600	157	21.0	91	22933	150	17.7	99	23188
DX1020.....	139	22.3	93	23200								
DX1105.....	140	17.8	93	23733								
DX1110.....	128	19.0	93	24000								
DEKALB												
EX-6060.....	140	18.8	91	24000								
EX-6261.....	133	18.6	89	23733								
*XL 55A.....	136	20.0	92	24000	165	20.1	94	23733	135	17.2	97	22636
XL 57.....	143	20.0	97	22533								
XL 61.....	124	20.5	87	24000	172	22.1	96	23333				
XL 67.....	116	19.6	92	23466	174	21.5	92	24000	130	18.0	95	21835
XL 71.....	154	21.0	88	23066								
XL 75.....	128	19.7	91	24000								
DOCKENDORFF												
7100.....	127	18.1	94	24000	171	19.0	85	24000	140	16.0	99	23713
7338.....	164	18.1	94	23733	178	20.0	96	23733	139	16.5	98	23139
7700.....	138	19.3	91	23733	177	21.5	88	23866	161	18.5	98	22355
7900.....	127	20.2	80	23333	154	20.5	88	23066	153	17.4	97	23806
EK PREMIUM												
EK7700.....	99	18.3	93	24000	147	18.4	84	23733	144	17.8	99	23773
EK7770.....	139	19.9	89	23733	159	21.6	93	23866	138	16.1	98	22933
EK7780.....	153	18.8	92	24000	188	20.1	97	23733				
EK9900.....	174	22.1	90	23866	202	22.7	95	23733	152	19.8	97	22378
FUNK'S												
G-4342.....	138	17.6	93	23333								
G-4435.....	131	19.0	93	23733	165	20.6	93	23733	132	17.0	96	22412
G-4438.....	147	18.9	95	23200								
G-4514.....	153	19.5	92	24000								
*G-4520.....	140	19.8	83	23466	155	20.9	93	24000	133	18.6	99	23945
G-4522.....	152	20.8	90	24000	180	22.1	92	23733				
G-4589.....	145	22.1	98	23066								
*G-4606.....	135	20.1	92	23200	174	22.4	97	22266				
G-4733.....	147	22.0	93	24000								

+FROM SIMILAR TEST LOCATION NEAR GALESBURG.

MONMOUTH: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS †				1980 RESULTS †			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
GOLD TAG												
GT3006.....	121	19.3	92	23866								
GT3008.....	121	18.9	97	23466								
GT3020.....	134	19.6	89	24000								
GT4430.....	147	21.4	100	23600								
GROWMARK												
FS 275.....	145	17.6	92	23200								
FS 412.....	135	17.0	94	23866	156	18.5	90	23600				
FS 444.....	146	17.8	91	23200	152	18.9	84	23466	137	15.5	99	21971
FS 675.....	152	18.6	94	23600	179	19.5	93	23466				
*FS 680.....	132	19.6	92	22533	171	20.9	95	23733	152	17.5	97	22975
FS 685.....	127	20.4	93	21466								
GUTWEIN												
2215.....	147	17.5	95	23333	148	18.8	96	23466				
2462.....	125	19.1	95	24000								
2610.....	150	18.4	94	23733	162	19.9	95	23466	145	16.3	98	22540
46.....	144	18.3	93	24000	178	19.1	85	24000	151	16.1	99	23355
62.....	138	19.2	93	23600	154	21.2	89	24000	140	17.4	98	20503
HENKEL												
H-197.....	136	19.4	90	23466								
H-19.....	160	18.2	95	23866								
HOBLIT												
425.....	140	18.2	96	23333	165	20.3	98	22800				
440.....	154	20.1	87	24000								
454.....	160	21.8	96	23066								
ILL. EXPERIMENT												
R806XB73.....	118	20.9	96	23333	155	23.1	89	23200				
121-9-B73.....	90	24.5	84	23733								
KITCHEN												
KSC 512.....	149	19.4	89	23466								
KSC 513.....	116	20.1	89	23066								
KSC 514.....	115	21.7	93	22400								
KSC 516.....	146	21.4	96	23600								
KRUGER												
8109.....	140	19.0	98	23333								
8110.....	131	18.6	97	23200								
LANDERS												
9904.....	139	18.0	97	23466	162	18.9	97	23866				
9910A.....	130	19.7	89	23866	174	21.0	90	23600				
9910.....	130	21.1	91	23200	187	20.0	95	21333				
9918A.....	170	22.1	96	23600	161	25.4	95	23733				
LEWIS												
X53B.....	151	18.7	99	20800	179	19.9	96	24000	136	15.8	98	23103
X54B.....	136	18.6	92	24000	163	20.0	97	21066				
X59B.....	134	20.2	90	23200	160	21.5	85	24000				
X63B.....	140	20.3	97	22933								
X74B.....	163	22.4	95	23866	176	23.9	93	23466	166	19.7	99	22481
LOWE												
LSX 317.....	146	18.8	96	23466	178	19.7	96	22666	124	16.7	97	23756
LSX 401.....	126	20.4	90	21866	175	21.5	92	23866	130	17.9	100	21335
LSX 507.....	163	21.8	93	23333								
LYNKS												
LX4225.....	150	18.9	93	23200								
LX4315.....	137	19.1	98	23066	171	20.5	97	23866	142	16.2	98	22006
LX4355.....	135	19.6	94	22933	180	21.9	94	23866				
LX4500.....	165	22.5	98	23600	166	23.9	88	20666	140	19.7	97	23128
M CALLISTER												
SX7300B.....	153	23.2	90	22266	175	23.7	94	23733	153	19.8	97	23502
SX7300I.....	118	18.6	88	23600								
SX7402.....	141	17.4	97	23200								
SX7406.....	142	20.5	94	23600	185	21.7	90	22800	139	18.2	98	21161
SX7909.....	139	18.5	94	23733	158	20.5	94	21333	142	17.2	98	22740
SX8003.....	122	18.0	92	22533	158	18.4	97	24000	139	15.1	100	23225
SX8008.....	140	18.5	94	23066	172	19.9	99	24000				
SX8102.....	133	18.5	95	23200								
MCCURDY												
4956.....	119	18.9	97	22800								
5596.....	149	16.9	92	24000	159	19.1	84	24000				
6555.....	126	18.1	92	23200	190	20.3	97	22933	136	16.2	94	21668
7384.....	138	19.8	91	23600								
7676.....	155	20.4	94	23200								
80-37.....	143	18.6	94	22400								
81-42.....	147	18.2	94	23866								
84AA.....	123	22.2	92	24000								

[†]FROM SIMILAR TEST LOCATION NEAR GALESBURG.

MONMOUTH: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS [†]				1980 RESULTS [†]			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
MIGRO												
EXP-5768.....	154	19.4	93	23866								
HP 360.....	138	17.1	97	23333	154	19.2	97	23600				
HP 401.....	140	16.8	97	23200	168	19.2	95	23200				
HP 470.....	131	18.5	98	22933	160	19.6	95	24000	142	16.4	96	22376
MOEWS												
*SM725.....	144	21.1	94	23333								
NORTHRUF-KING												
FX39.....	121	17.7	93	23466	147	19.7	83	22933	138	15.1	99	23790
FX83.....	135	21.1	96	24000								
X6701.....	112	21.0	92	23600								
X7002.....	150	18.7	96	22133								
O'S GOLD												
SX1170A.....	140	18.2	97	22533								
SX2570.....	163	19.0	95	24000								
SX5291.....	150	22.7	93	23333	185	24.0	96	23866				
SX5500A.....	141	19.5	93	23066	178	20.6	96	23866	147	17.3	99	22114
SX6880.....	144	17.8	95	22666	157	18.3	93	24000				
SX6882.....	139	18.4	95	24000	175	19.3	91	24000				
PAYMASTER												
4790.....	141	17.9	95	24000								
8201.....	120	20.0	92	23733	170	20.5	85	23200	149	17.7	99	22985
PFISTER												
KERNOIL.....	153	20.1	92	23200	165	22.3	88	23200	132	19.2	98	22147
2400.....	133	18.8	97	22800	146	19.4	86	23333				
2820.....	140	18.9	90	23333								
3500.....	137	20.7	92	23466								
75.....	129	19.9	94	23733	169	20.1	93	24000	148	17.5	94	22215
PIONEER												
*3541.....	131	17.7	93	21866	171	18.5	97	23466	127	15.2	96	22868
*3780.....	141	15.9	96	23733	158	17.8	97	23866	120	14.0	98	23938
POCKLINGTON												
P-501.....	134	22.3	97	23333								
P-601.....	137	19.9	92	23733	159	21.4	87	23333	136	17.1	95	22632
P-602.....	144	19.9	89	23066								
P-6441.....	147	20.3	92	22933								
P-673.....	124	22.7	95	23733								
PRIDE												
5592.....	161	18.5	98	24000								
6692.....	158	18.5	96	23866								
7759.....	151	20.6	95	22800	163	22.1	91	24000	153	19.1	99	22715
P-A-G												
SX 277.....	131	17.3	97	23600								
SX 333.....	123	19.5	95	22933	159	21.6	87	23733				
SX 351.....	135	20.5	83	23866	184	22.7	95	24000	121	18.8	95	20108
SX 397.....	121	18.2	94	22666	153	18.8	83	24000				
SHISSLER												
GR-8 168.....	150	17.4	93	23600	149	18.6	95	24000				
GR-8 175.....	157	17.9	96	23600								
GR-8 176.....	145	19.4	97	23066	168	20.2	93	23333				
GR-8 190.....	114	20.5	96	22933	155	21.2	89	23733				
SIEBEN												
22XS.....	146	18.1	96	23866								
35XS.....	142	18.9	95	22933	179	19.8	93	24000				
45XS.....	128	19.6	86	23066	180	22.3	96	22266				
*68XS.....	177	21.9	98	23866	197	24.1	98	24000				
STAUFFER SEEDS												
SUPER 14.....	134	22.2	91	22533	165	24.1	91	22666	147	20.2	99	22459
SUPER 80.....	159	18.9	95	23600	183	20.3	91	23466				
S 5260.....	140	17.7	91	22933								
S 5602.....	153	17.4	97	23866								
S 6595.....	139	18.5	93	24000								
S 7759.....	145	19.6	83	23600								
114+.....	146	22.4	97	23466	185	23.6	94	23200				
STEWART HYBRIDS												
6873A.....	133	18.7	98	22933								
6873.....	133	19.0	96	23600	156	21.3	92	24000	134	17.4	99	22469
7324.....	152	22.0	94	24000	175	24.5	90	24000				
7389.....	133	18.9	91	22666								
77A.....	154	20.2	96	22533								
7824.....	129	22.4	91	23200								
STONE SEED FARMS												
SX73.....	119	19.2	91	21466								

[†]FROM SIMILAR TEST LOCATION NEAR GALESBURG.

MONMOUTH: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS†				1980 RESULTS†			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE
SUPER-CROST												
4337.....	150	18.5	96	23866	174	19.4	93	24000				
4661.....	146	20.1	95	23866								
5452.....	136	19.7	89	24000								
*7600.....	154	22.1	97	23733	162	24.1	91	23866				
7801.....	146	21.0	87	22400								
80056.....	142	17.6	91	24000								
82085.....	121	20.4	89	22666								
THOR-O-BRED												
SSX 424.....	119	17.8	94	23066								
SSX 536.....	154	18.9	99	24000								
SX 400.....	133	16.5	93	23866								
SX 544.....	138	19.5	91	23200								
TROJAN												
T 1000.....	129	17.1	94	23200	151	18.3	97	24000				
T 1058.....	129	18.0	96	23466	143	18.2	88	23466	121	15.7	96	23457
T 1069.....	139	18.4	95	23333	152	19.0	90	23333	128	15.6	99	22913
T 1100.....	157	18.7	93	23733	180	19.5	96	23466				
VORIS												
EXP. 1007.....	144	21.0	97	23866								
EXP. 1038.....	145	22.3	95	24000								
V 2491.....	132	18.6	95	22666	163	20.0	95	24000				
V 2601.....	148	18.8	89	23733	162	21.2	93	24000				
WYFFELS												
*W-48.....	137	18.9	94	23466	177	19.5	93	24000	144	16.6	97	24032
AVERAGE.....	141	19.5	94	23371	164	20.5	91	23397	137	17.3	98	22632
L.S.D. 10% LEVEL.....	23	1.0	..	20	0.8	7	1191	18	0.8	4	..	
L.S.D. 30% LEVEL.....	15	0.7	..	13	0.5	5	751	11	0.5	2	..	
STD ERR OF HYBRID MEAN... 10	0.4	3	534	8	0.3	3	511	8	0.3	2	735	

†FROM SIMILAR TEST LOCATION NEAR GALESBURG.

Corn Hybrid Trial Results

KILBOURNE, IRRIGATED (28,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
AINSWORTH												
X-516A.....	156	21.1	47	27177								
X-518.....	145	22.4	58	27588								
X-617.....	108	21.7	57	27856	149	20.4	96	27901	144	18.9	93	21238
X-910.....	132	21.1	45	26379	145	18.5	93	26964	130	16.5	85	22761
X-918.....	127	22.5	51	27992	146	21.1	95	26918				
BO-JAC												
562.....	141	22.7	52	26387								
923.....	153	23.5	84	26945					124	19.1	98	22952
CARGILL												
921.....	108	19.6	58	26940	135	18.0	94	27626	96	15.4	88	22857
*924.....	125	21.1	53	27073	107	18.1	97	26137				
967.....	133	20.8	62	27999					121	17.4	98	23142
CFS												
E97000.....	119	22.4	49	28000								
W6420.....	129	20.6	56	25845	170	18.6	88	27869	129	16.1	87	21238
222.....	125	19.6	44	25869					100	16.1	93	22190
CROW												
430.....	112	18.6	88	27855								
688.....	142	22.2	64	27200								
DEKALB												
EX-6261.....	145	19.6	55	27889								
EX-7778.....	124	22.1	68	26938								
XL 57.....	125	21.5	79	28000								
XL 67.....	123	21.8	59	27612	142	19.7	96	27961	120	16.9	92	20952
XL 71.....	120	21.7	58	27476					93	17.6	94	22761
*XL 72AA.....	131	20.2	47	26694					106	17.1	96	19904
XL 72B.....	125	22.0	70	27860	160	21.2	93	27920	115	17.0	98	18857
XL 73.....	118	22.4	50	27998								
DENNIS												
10A.....	94	16.0	67	28000								
25.....	144	19.6	85	26140								
FUNK'S												
G-4514.....	132	21.1	55	27889								
G-4522.....	135	21.5	64	27454	149	20.0	98	27975				
G-4578.....	142	21.4	58	27750								
G-4589.....	140	22.0	82	27986								
G-4733.....	159	25.5	71	27867								
GOLDEN HARVEST												
*H-2500.....	137	20.9	50	26670					116	16.7	93	20476
GROWMARK												
*FS 444.....	126	18.6	57	27999					96	14.5	85	23714
FS 675.....	99	18.8	86	27189	102	16.6	96	27860				
FS 680.....	146	21.3	39	25469	139	19.8	96	27978	119	16.7	93	22285
FS 685.....	100	21.8	44	26393	126	21.1	96	27795				
FS 850.....	138	23.2	40	27747	128	21.8	90	28000	119	17.6	75	22571
FS 852.....	180	22.7	74	27201	156	22.6	95	27650				
HOBЛИT												
454.....	111	22.4	49	27055	166	22.3	97	23932				
457.....	129	21.1	59	28000								
LEWIS												
X53B.....	133	20.8	81	24808	133	18.0	96	28000	119	15.3	99	22571
X54B.....	138	20.2	73	27060	120	17.1	98	26015				
X59B.....	142	21.0	68	25736	151	21.2	99	27903				
X63B.....	138	21.2	59	26415								
X74B.....	134	21.6	51	28000	119	21.5	97	27972	122	19.2	96	20761
X83B.....	120	21.7	54	27877								
X92B.....	124	23.0	45	27610	169	21.2	94	27785				
LYNKS												
LX4315.....	134	19.5	82	27469	137	18.0	96	27603	119	15.1	96	17714
LX4355.....	139	21.6	47	27602	145	21.0	97	27045				
LX4488.....	180	23.2	75	27991								
LX4500.....	127	23.0	51	25734	120	23.1	95	25650	126	19.8	97	21047
MACCALLISTER												
SX7300B.....	111	21.7	62	26402	131	21.8	97	27436				
SX8003.....	124	19.0	100	26135					110	14.5	98	23047
SX8102.....	118	18.0	89	27597								
MCCURDY												
6555.....	103	18.4	60	27996	135	18.4	98	27410	129	15.3	95	21333
7384.....	137	21.4	57	26545								
7676.....	118	22.2	37	26789	142	19.7	95	27913				
80-62.....	119	23.8	66	27854								
81-82.....	167	24.0	54	28000								
84AA.....	141	24.9	72	27991	174	22.4	93	27984	111	19.5	96	22095
MIGRO												
EXP.5129.....	149	23.5	49	26921								
EXP.5199.....	146	23.0	63	28000								
EXP.5768.....	131	21.7	52	27346								
HP 87.....	136	24.3	68	27997	153	22.4	96	27688	126	18.9	95	21142
M-0707.....	140	22.1	70	27462	141	20.8	96	28000	126	18.5	94	22666

KILBOURNE, IRRIGATED, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE
O'S GOLD												
SX2570.....	128	21.1	49	27871								
SX5509.....	150	23.9	52	26397	148	22.4	97	26566	116	19.4	94	22095
SX6882.....	155	19.1	71	28000	131	17.0	99	27376				
PAYMASTER												
6990.....	161	19.6	62	24947	129	18.5	96	27317				
8201.....	131	20.9	32	28000	165	19.3	97	27776	115	16.1	88	21238
PFISTER												
KERNOLI.....	113	21.6	64	27206	139	20.0	90	25196	116	17.9	94	21714
3500.....	134	22.1	43	26808								
65.....	120	21.4	64	27457	122	20.3	96	27785	109	17.2	98	22952
68.....	92	20.7	55	27735								
PIONEER												
*3541.....	87	18.0	87	27981					116	14.1	97	22666
*3780.....	143	17.8	76	27445					107	14.0	93	23428
POCKLINGTON												
P-501.....	109	21.2	65	25867								
P-601.....	114	20.3	55	28000	129	20.0	95	26509	107	16.1	92	20761
PRIDE												
6678.....	121	19.6	57	27203	126	17.4	97	27571				
6692.....	126	19.7	60	27453								
8811.....	138	25.1	47	27979								
F-A-G												
SX 333.....	139	21.2	48	28000	139	19.5	95	27614	130	16.5	88	22380
SX 351.....	149	22.1	51	27192	139	19.5	98	26493	98	17.7	78	21142
*SX 397.....	105	19.0	60	26797	125	17.2	72	27686				
RING AROUND												
1404.....	97	19.8	90	27468								
1502.....	151	22.6	60	28000								
SHISSLER												
GR-8 176.....	162	20.6	86	25726	120	17.5	96	27564				
GR-8 190.....	113	21.0	43	27873	143	20.0	94	27841				
GR-8 194.....	127	22.8	57	26778								
GR-8 196.....	127	23.3	58	27722	162	22.1	92	27466				
STAUFFER SEEDS												
SUPER 14.....	151	23.4	61	27973	139	21.0	94	27862				
S 6596.....	147	19.6	91	27337								
S 7759.....	145	22.1	44	27999								
S 8818.....	130	23.3	74	27336	139	22.4	98	27083				
114+.....	103	23.0	51	27734	132	21.7	95	27970				
STONE SEED FARMS												
SX35.....	157	20.9	80	25719								
SX41.....	127	22.8	48	27581								
SX42A.....	145	24.4	68	25344	166	22.5	99	26291	127	18.5	92	21904
SX73.....	139	20.3	54	25854	133	19.8	96	24072	84	17.5	95	20380
SUPER-CROST												
4337.....	84	18.7	45	24512	130	17.9	96	26567				
4661.....	146	20.7	35	27067								
5452.....	143	20.7	58	26952								
7600.....	136	22.7	51	27208	145	21.7	93	27128	129	19.2	90	17714
80056.....	115	17.3	70	27607								
82085.....	168	21.8	58	27736								
TROJAN												
T 1100.....	151	19.3	56	26132	145	18.1	96	27166				
T 1189.....	140	21.2	39	27050	135	19.8	91	26700	127	18.3	94	21333
T 1230.....	137	24.6	57	28000								
T 1251.....	126	23.4	67	27452								
VORIS												
EXP. 1036.....	159	22.1	78	28008								
V 2641.....	148	24.1	53	27607	156	22.2	95	26027				
AVERAGE.....	132	21.4	61	27218	134	19.7	95	27270	112	16.8	92	21478
L.S.D. 10% LEVEL.....	30	1.2	21	..	25	1.0	5	..	24	1.0	9	2500
L.S.D. 30% LEVEL.....	18	0.8	13	..	15	0.6	3	..	15	0.6	6	1575
STD ERR OF HYBRID MEAN...	12	0.5	9	733	10	0.4	2	857	10	0.4	4	1070

Corn Hybrid Trial Results

URBANA (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	
AINSWORTH												
X-516A.....	165	24.7	99	19545								
X-617.....	154	26.2	98	19545	152	24.3	93	19600	134	22.0	97	20000
ASGROW												
RX610.....	145	20.2	100	19545								
RX622.....	151	20.3	100	18030								
RX777.....	136	24.0	100	18787	158	23.7	47	19866				
RX864.....	147	24.0	99	19848	164	27.6	93	19733	109	21.1	100	19753
RX909.....	165	25.8	100	20000								
BO-JAC												
5601.....	174	23.2	100	19696								
562.....	176	25.5	96	19848	175	28.1	96	19733	135	22.7	100	20000
CARGILL												
921.....	158	21.4	99	20000	165	22.2	84	20000				
967.....	164	24.1	98	19242	150	26.1	67	19866	84	21.3	98	19876
DENNIS												
4.....	147	19.5	100	19090								
GOLD TAG												
GT4022.....	164	27.1	100	19848								
HOBBLIT												
440.....	164	24.8	100	19242								
LEWIS												
X53B.....	147	21.6	98	17272	156	22.8	94	20000	110	18.8	96	19629
X59B.....	153	23.6	98	19242	166	25.0	83	19866				
X74B.....	171	26.3	99	19090	161	27.2	82	20000				
X82B.....	165	26.5	100	20000								
X83B.....	150	25.6	100	19545								
X92B.....	152	24.8	100	20000	159	25.3	91	19733				
MCALLISTER												
SX7300B.....	174	26.4	100	19696	171	25.6	85	20000	120	22.5	100	19876
SX7909.....	144	23.4	99	18636	156	23.2	94	18933	130	19.9	100	19876
MIGRO												
EXP.5199.....	159	28.7	100	19393								
EXP.5768.....	169	24.4	99	19242								
M-0707.....	168	24.2	100	20000	180	27.9	96	20000	115	22.2	99	20000
PFISTER												
KERNOIL.....	150	25.1	98	19848								
3500.....	161	24.2	98	17575								
65.....	160	24.7	98	19696								
68.....	140	24.1	100	19090								
POCKLINGTON												
P-6441.....	153	24.0	96	19545								
PRINCETON												
SX870.....	163	29.2	100	19848					100	24.4	96	19506
P-A-G												
SX 333.....	166	23.5	100	20000	140	23.6	57	20000				
SX 351.....	170	26.1	99	20000	156	25.2	66	20000	98	20.8	100	20000
SX 397.....	152	21.5	99	18939	158	20.0	81	19733				
SOHIGRO												
S48.....	145	21.8	98	19848								
S57.....	153	23.7	99	20000								
SUN PRAIRIE												
SP540.....	185	25.1	100	19393	149	28.5	65	20000	121	23.9	97	19753
SP600.....	178	27.9	100	19848	161	26.1	74	19733	120	22.8	98	17654
THOR-O-BRED												
SSX 536.....	163	22.0	99	20000	159	25.4	86	20000				
SX 544.....	165	23.5	98	18787	151	23.9	74	20000				
SX 545.....	166	25.1	100	19545	149	24.7	85	19866				
SX 660.....	167	28.0	99	19848								
AVERAGE OF 1982 ENTRIES..	160	24.5	99	19433	151	24.2	78	19705	107	20.9	97	19677
L.S.D. 10% LEVEL.....	..	1.8	..	..	19	1.9	21	21 15	20	1.4	11	..
L.S.D. 30% LEVEL.....	..	1.1	..	..	11	1.2	13	513	12	0.9	7	..
STD ERR OF HYBRID MEAN...	9	0.8	1	546	8	0.8	9	347	8	0.6	5	391

**Corn Hybrid Trial Results
URBANA: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)**

BRAND	HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
		YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE
ADLER'S													
	2910.	148	19.1	99	22615								
	30X.	170	20.1	100	23384								
	60X.	180	21.9	99	23384								
AGRI GOLD													
	XA818.	185	21.6	100	23846								
	6475.	164	20.7	97	22615								
	6612.	179	22.6	100	23692								
	6810.	175	24.8	94	24000								
	6910.	186	23.0	100	23076								
AINSWORTH													
	X-617.	187	23.5	100	23846								
	X-719.	148	23.1	90	23384								
	X-912.	149	21.8	100	22307								
	X-918.	175	23.7	98	23692	158	25.1	50	22933				
AMERICANA													
	3100.	157	20.2	100	21692	157	20.6	65	23466				
	3120.	156	21.1	99	23384	141	21.2	56	23333				
	3200.	158	21.5	97	22769	137	20.0	21	23866	137	19.0	97	23733
	4100.	169	23.1	99	20461								
	4640.	185	22.8	98	22923	173	23.8	78	22533	135	21.2	93	24000
	4700.	181	21.2	99	24000	155	20.5	63	23866	131	19.7	97	21866
	4730.	173	24.1	100	23538	158	24.3	43	23733	152	22.1	100	23066
	4808.	158	25.5	96	21076	160	22.7	56	23466				
ASGROW													
	RX777.	183	21.9	100	22615	131	24.4	37	23466	133	21.3	93	22533
	RX909.	185	21.8	99	23076	143	22.6	57	23466	170	21.9	99	23466
BECK'S													
	65XS.	169	21.2	97	23538	151	18.9	59	23333				
	65X.	184	22.5	97	23846								
	86X.	179	23.1	94	23384	161	24.4	58	24000	150	21.5	100	22266
	89X.	169	24.3	100	23538	148	24.0	49	23733	164	22.9	100	23866
BO-JAC													
	*432.	172	18.2	98	24000	166	19.8	66	23866	120	17.7	99	22800
	440.	175	20.2	100	23846								
	452.	147	23.3	99	22153	158	21.2	55	24000	150	18.5	98	21066
	5601.	193	22.4	99	23846								
	562.	178	24.1	97	20923	159	23.4	60	23600	152	22.6	100	23466
CAMPBELL													
	C-69.	180	20.8	98	23846								
	C-99.	193	23.8	98	23538	168	24.1	54	23866	164	23.6	99	22666
CARGILL													
	*921.	160	19.7	100	23846	161	20.1	66	23600				
	924.	172	20.6	100	23230	139	20.9	69	23200				
	967.	184	21.5	100	23076	153	21.2	54	23600	102	20.6	99	23466
CFS													
	E97000.	191	23.6	99	23538								
	W6420.	172	19.6	96	23538	135	20.9	26	23733	132	18.5	98	20800
	222..	181	22.0	99	23538	152	21.3	58	22933	122	18.4	98	21733
	4000.	175	20.9	97	23692	142	20.9	60	23866	163	21.2	99	22933
	6000.	164	20.0	100	22923					128	18.2	100	22400
CROW													
	666.	186	22.7	100	22769								
	688.	166	22.4	100	22000								
	690..	176	24.6	98	23538								
DAIRYLAND													
	DX1006.	147	17.8	95	23384								
	DX1007.	158	19.2	96	24000								
	DX1008.	159	19.3	100	24000								
	DX1012.	179	20.7	98	23846								
	DX1016.	176	21.6	99	19846								
	DX1020.	178	24.4	100	22461								
	DX1105.	164	18.8	97	23692								
	DX1110.	141	20.5	99	23230								
DEKALB													
	EX-6060.	171	22.4	98	22769								
	*XL 55A.	140	19.6	99	21076	163	20.3	57	24000				
	XL 56.	153	19.7	98	22307	168	21.1	77	22933				
	XL 57.	145	22.7	100	23538								
	XL 67.	148	21.8	100	21538	165	22.4	32	23600	132	20.1	87	23333
	XL 71.	197	23.7	98	22923					100	20.1	94	22266
	XL 73.	156	23.2	100	23846	159	22.5	67	23600				
DENNIS													
	10A..	142	18.2	96	23692								
	25..	167	20.4	99	22615	153	18.0	58	24000	140	19.0	99	21600
	26..	157	20.6	100	24000	151	20.6	29	22933	132	23.3	100	23200
	3A..	128	18.3	99	20307	124	16.8	32	23600				
	37A..	163	21.2	99	23230					108	20.9	100	21200
	39..	168	23.0	100	21692	155	24.1	67	23466	144	24.4	99	21866

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE
DOCKENDORFF												
7100.....	161	18.9	96	24000	125	19.2	20	23600				
7338.....	165	20.4	100	23076	166	18.7	70	24000				
7700.....	179	21.0	92	23384	156	20.9	31	23333				
7900.....	154	21.4	95	22923	161	20.3	32	23600				
FULLER												
10.....	137	17.8	94	18923	130	18.8	36	24000	114	16.3	97	22533
19.....	135	18.2	100	20000	123	18.8	24	22933	128	16.9	99	22533
35.....	152	20.6	96	21538								
45.....	163	22.1	98	22000	167	19.6	57	23600	129	18.7	100	22400
69.....	169	22.9	99	22000								
70.....	174	21.8	100	22769	160	21.2	76	23600	138	19.9	98	20000
FUNK'S												
G-4342.....	163	19.8	94	22307								
G-4435.....	157	21.1	97	22000	130	19.0	49	23733	128	18.7	98	23200
G-4438.....	161	20.8	97	21846								
G-4514.....	185	22.3	99	23076								
*G-4522.....	191	23.3	95	23230	159	19.7	61	24000				
G-4606.....	165	21.5	97	22615	148	20.1	22	24000	105	20.9	81	22400
GOLDEN ACRES												
T-E 6995-A.....	203	21.9	97	22461	163	20.5	41	23733	119	19.1	99	18800
T-E 6995.....	180	22.4	99	20923	152	20.4	48	23466	142	19.4	97	22533
T-E 6998.....	159	25.0	100	21384								
GOLDEN HARVEST												
H-2479.....	151	18.8	98	23230								
H-2480.....	165	18.5	99	23538								
*H-2500.....	171	22.2	98	22923	148	20.6	36	24000	131	18.9	97	21733
H-2535.....	153	19.9	97	22461	157	19.2	62	23733	121	18.3	98	22800
H-2536.....	174	20.8	100	22923	130	21.0	23	23466				
H-2656.....	181	24.5	100	22769								
GOLD TAG												
GT3006.....	162	21.5	98	23846	153	20.0	47	24000	130	19.3	100	22533
GT3008.....	156	20.1	96	21846	124	19.6	37	23333				
GT3020.....	172	22.3	97	22923	179	20.0	66	23200	150	19.9	100	23466
GT4430.....	168	23.5	99	22461								
GREAT LAKES												
GL 522.....	164	20.2	98	23076								
GL 592.....	156	18.6	98	23076	139	18.6	67	23066				
5922.....	139	21.4	99	22307	146	20.7	54	24000				
80103.....	139	18.2	94	23538								
GROWMARK												
FS 444.....	149	19.7	98	22153	139	18.6	41	23733	127	16.5	99	22133
FS 675.....	181	20.4	100	23846	170	20.3	58	22933				
*FS 680.....	180	20.6	99	22000	162	19.7	23	23600	136	19.2	98	22133
FS 685.....	167	21.6	99	23692	155	22.5	60	23600				
GUTWEIN												
2215.....	150	19.4	99	21230								
2462.....	149	19.8	99	24000								
2610.....	180	19.8	98	23846								
46.....	146	19.3	98	23692								
62.....	168	22.4	100	23076								
HOBЛИT												
425.....	179	20.5	100	24000	154	19.7	55	24000	139	18.1	99	22133
440.....	196	21.2	100	22615								
KITCHEN												
KSC 512.....	178	22.5	94	23692								
KSC 513.....	194	22.8	98	23384								
KSC 514.....	170	22.1	99	18769								
KSC 516.....	170	23.3	92	22307								
LANDERS												
9910.....	181	24.0	99	23692	153	21.2	77	18266				
9918A.....	169	24.1	98	22307	152	23.3	44	24000				
9920.....	183	22.8	99	23538								
LEADER												
SX555.....	177	19.8	98	22769	138	19.6	54	23733				
SX575.....	175	20.8	100	24000								
SX610.....	176	21.8	100	21384	131	20.8	72	23200	121	19.6	97	24000
SX620.....	161	23.4	97	22769								
SX630.....	182	22.1	97	22769	178	22.7	89	23600	146	20.4	99	23200
SX717.....	172	22.4	100	22153								
SX722.....	171	26.8	99	21692	143	22.7	38	23733				
LEWIS												
X52B.....	156	21.4	97	21692	157	20.2	33	23733				
X54B.....	167	21.0	99	23384	153	20.7	40	20533				
X59B.....	188	20.9	99	23230	154	21.0	47	23600				
X63B.....	157	20.9	100	20307								
X74B.....	164	24.5	99	22461	160	23.8	35	23733	167	21.5	99	23466
X81B.....	181	26.6	99	23384	152	24.8	48	23466	122	22.9	92	23733
X83B.....	168	23.4	99	22923								
X92B.....	178	22.3	100	22769	162	24.3	76	23733				

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS
LOWE												
LSX 317.....	173	19.9	98	23538	146	19.4	49	22400				
LSX 380.....	189	20.7	97	23538	159	20.2	49	23733	115	19.3	100	22400
LSX 401.....	177	20.9	98	22769	162	20.7	38	22933	115	19.8	100	22133
LYNKS												
LX4225.....	146	20.1	99	22769								
LX4315.....	165	19.5	98	23846	168	19.6	67	23466	146	18.7	98	22800
LX4355.....	192	22.1	100	22461	145	21.1	59	23866				
LX4500.....	164	24.0	100	22307	172	22.7	44	21466				
M CALLISTER												
SX7300B.....	181	23.0	99	22769	164	22.6	60	23733	162	22.9	100	22533
SX7402.....	148	19.2	99	21846								
SX7909.....	177	19.3	98	23692	161	20.9	81	21866	135	19.4	100	21466
SX8001.....	157	18.4	98	22769								
SX8003.....	145	19.1	100	23538								
SX8008.....	166	22.5	100	19538								
SX8102.....	151	18.1	98	22769								
MCCURRY												
4956.....	142	19.7	97	23230	156	19.0	74	23466				
6555.....	173	19.6	99	20615	154	19.1	48	23866	123	18.3	100	23066
7384.....	198	21.4	97	23538								
7676.....	176	21.1	100	23538	155	21.4	72	23600				
80-37.....	178	21.3	99	23384								
80-62.....	168	25.5	99	23538								
81-42.....	150	19.9	96	22000								
84AA.....	167	23.5	99	24000	158	23.8	47	24000	141	22.0	100	23600
MIGRO												
EXP.5768.....	168	20.9	99	23230								
HP 401.....	151	18.5	98	23230	160	19.1	70	23333				
HP 470.....	169	19.4	99	21692	142	20.0	33	24000	139	19.1	100	23600
NORBLE BROS.												
NB2381.....	140	19.2	100	21384								
NB2391.....	151	18.4	97	22615	117	17.4	33	24000				
NB2501.....	158	20.8	100	21384	133	18.0	39	23466	136	19.0	100	23733
NB2511.....	152	21.3	100	21076								
NB2551.....	159	22.7	100	23692	119	21.4	24	22800	130	19.0	100	22000
NORTHRUF-KING												
PX39.....	159	18.6	100	23692	134	18.4	43	23866	113	16.4	100	23200
PX79.....	169	22.7	100	22153	153	22.9	57	23733				
PX83.....	176	23.3	99	23384	165	21.7	43	23733				
PX9454.....	146	19.9	95	22615	142	18.1	38	23866				
X6701.....	172	23.0	100	22461								
X7002.....	169	19.6	98	23692								
O'S GOLD												
SX2570.....	154	22.3	97	22769								
SX5291.....	169	24.1	100	23538	163	24.4	59	22666				
SX5509.....	179	24.8	98	23692	159	25.1	69	23600	131	23.9	95	22800
SX6882.....	168	19.8	99	24000	169	19.8	81	24000				
PAYMASTER												
4790.....	163	19.3	99	22615								
8201.....	174	21.0	97	22923	141	20.2	55	22266	125	19.1	99	22800
8951.....	200	23.3	100	23538								
PIONEER												
*3382.....	188	20.9	100	23384	177	20.6	77	24000				
*3541.....	172	18.4	98	24000	164	18.4	56	24000	118	17.5	100	22400
POCKLINGTON												
F-501.....	149	23.0	95	23076								
F-601.....	166	20.8	91	24000	158	21.3	48	20800	125	18.6	97	23333
F-6341A.....	143	22.1	94	23384								
P-6392.....	167	22.6	97	21692								
FRAIRIE STREAM												
M6500.....	160	22.4	95	23384								
M6900.....	164	22.6	97	21230								
SX50.....	162	20.0	100	22769	161	18.6	60	23733				
SX66.....	167	21.4	94	21846	151	22.1	44	23600	112	19.7	95	22533
SX710.....	173	22.9	100	23538								
SX720.....	169	23.6	100	24000								
SX730.....	143	25.1	99	21230								
58G73.....	153	23.3	99	24000								
PREMIER HYBRIDS												
SX632.....	160	21.4	100	23538	160	18.8	80	22666				
PRINCETON												
SX870.....	160	23.0	98	22923								
P-A-G												
SX 277.....	154	20.4	99	22307					111	19.6	98	22666
SX 333.....	182	21.7	99	23230	160	20.8	52	23466	138	18.6	99	24000
SX 351.....	175	21.8	97	22615	143	21.0	38	23733	119	20.5	96	23333
*SX 397.....	160	19.2	93	23076	151	17.7	38	22533				

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS
RING AROUND												
1404.....	179	19.6	99	24000	139	19.7	41	23066				
1502.....	172	23.6	100	23076								
1604.....	169	23.9	99	22000								
SHISSLER												
GR-8 168.....	146	18.7	99	21846	143	16.9	59	23866				
GR-8 175.....	152	19.1	99	23076								
GR-8 176.....	175	20.4	100	23230	168	18.8	75	23866				
GR-8 190.....	184	21.7	100	24000	164	22.1	61	23466				
GR-8 194.....	182	24.2	100	23538								
GR-8 196.....	180	24.6	100	21846								
SOHIGRO												
EXP. 306.....	182	21.3	98	23846								
EXP. 322.....	168	24.6	99	22769								
S48.....	155	20.1	96	22153								
STAUFFER SEEDS												
SUPER 14.....	168	25.8	99	23692	144	22.6	53	22933	143	21.7	100	21600
SUPER 80.....	169	20.5	100	21384	141	21.3	31	23333				
S 6595.....	169	20.2	97	23230								
S 6596.....	158	19.9	98	22461								
S 7759.....	182	23.2	100	22923								
S 7767.....	163	20.0	99	23538								
114+.....	183	24.5	100	23230	166	24.3	70	22400	165	22.5	100	22133
STEWART HYBRIDS												
6873.....	151	19.9	100	21692					103	20.1	98	22800
7324.....	183	24.1	98	22769								
7381.....	139	23.3	100	22461	164	21.5	64	23466				
77A.....	161	21.7	99	22461								
77.....	147	22.1	98	22769	157	22.1	42	23066	149	22.3	100	22000
7824.....	178	24.6	98	24000								
STEWART SEEIDS												
SX51.....	156	21.3	99	21538								
SX58.....	155	21.0	99	22923	182	21.5	71	24000				
STONE SEED FARMS												
SX35.....	178	20.4	100	22769								
SX37.....	160	19.8	95	22923								
SX41.....	177	22.1	98	22307	173	22.6	43	23600	144	21.5	99	21200
SX42A.....	156	24.9	99	19692	139	22.8	37	23333	131	23.0	100	21333
SX73.....	173	22.1	99	21846	129	21.8	20	23466	130	19.6	97	21333
STURDY-GROW												
S/G 621.....	165	20.1	98	23846								
S/G 805A.....	182	22.5	99	23846	150	23.2	70	23200	142	21.8	99	23066
S/G 825A.....	189	21.6	96	23076	171	20.9	21	23866				
S/G 910W.....	181	24.9	99	22769	123	24.6	38	24000				
SUN PRAIRIE												
SP229.....	158	19.4	96	23384								
SP230.....	171	20.2	98	24000	153	18.5	68	21866	129	18.9	99	19866
SP233.....	158	22.2	98	23692								
SP240.....	177	21.6	98	23384								
SUPER-CROST												
4337.....	146	20.0	100	22307	166	19.4	54	23600				
4661.....	160	20.3	99	23692								
5452.....	159	21.3	100	20615								
7600.....	171	23.6	98	22461	160	24.7	55	23466	128	22.3	99	21066
82085.....	173	22.0	100	21230								
THOR-O-BRED												
SSX 536.....	164	21.2	99	22615	144	19.9	55	24000				
SX 544.....	168	20.7	100	21538	146	21.4	47	22666				
SX 545.....	161	22.2	97	22307	165	22.7	52	23600				
SX 660.....	178	25.1	99	23384								
TRISLER												
EXP. 81-21.....	172	24.7	100	23846								
T-2660.....	135	19.1	99	22769	136	18.1	78	23600	120	17.7	100	23600
T-2777.....	143	20.2	98	23230	160	20.3	60	23866				
T-2900.....	150	18.5	100	23384	117	17.6	23	22800	127	16.1	100	22666
T-2920.....	143	18.9	99	22461								
T-5150.....	157	19.9	96	24000	130	18.9	22	22800				
T-5250.....	160	21.5	98	21384	166	19.8	91	23066	142	18.9	100	23333
T-5256.....	150	20.4	98	21846	160	20.5	31	23333				
T-5450.....	166	21.6	96	22153	136	20.5	30	22933	112	19.3	97	21200
T-5460.....	173	22.2	100	24000								
T-5470.....	158	22.1	99	21538	155	21.2	54	23200	127	20.4	100	18533
T-5750.....	158	21.9	100	22615								
T-7510.....	158	23.6	100	22307								
T-7530.....	181	22.3	99	23538	166	22.0	63	22266	139	21.4	99	20533
T-7550.....	151	24.8	99	21846	133	22.7	47	24000	119	23.1	92	19866
81-B.....	150	19.2	100	23076	146	19.0	80	22800				

URBANA: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	
TROJAN												
*T 1100.....	166	20.2	99	22923	164	20.6	76	23733				
U.S.S.												
1009.....	147	20.2	98	23384								
1010.....	173	22.2	99	22923								
VORIS												
EXP. 1007.....	161	23.7	100	24000								
EXP. 1036.....	167	22.8	98	24000								
V 2491.....	171	20.4	100	23230	158	20.8	70	24000				
V 2521.....	153	21.5	99	23384	170	20.9	41	23733				
V 2601.....	184	22.9	99	24000	167	22.9	73	23066				
WHISNAND												
80A.....	166	22.4	91	22307	172	21.9	45	23733	149	20.1	100	22666
80.....	167	23.6	87	22615	145	23.0	13	22400	124	21.1	94	22933
811.....	152	22.2	97	23384	152	24.6	72	23200	105	21.6	100	22800
81.....	174	21.2	96	23538	129	20.1	32	23733	133	19.9	99	22800
83.....	165	19.5	100	23384	158	19.7	30	22000	127	19.7	100	20800
870.....	180	21.7	96	24000	148	21.1	41	23866	115	20.3	98	24000
AVERAGE.....	167	21.6	99	22833	150	20.9	49	23401	127	19.9	98	22371
L.S.D. 10% LEVEL.....	19	1.4	3	2009	26	2.3	32	1143	28	1.0	7	2237
L.S.D. 30% LEVEL.....	12	0.9	2	1266	16	1.4	20	720	18	0.7	5	1410
STD ERR OF HYBRID MEAN...	8	0.6	1	862	11	1.0	13	490	12	0.4	3	960

Corn Hybrid Trial Results
PERRY (20,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS					1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	%ERECT PLANTS
AINSWORTH															
X-617.....	153	20.0	92	18933	194	19.4	98	20000	127	20.4	98	19777			
X-920.....	145	18.8	85	20000											
AMERICANA															
4100.....	140	18.5	95	20000	154	19.2	98	19333							
4640.....	154	20.1	93	19733	153	19.8	91	17866	112	21.3	98	19888			
4730.....	161	20.4	92	20000	191	20.5	96	20000	131	20.6	96	19333			
4808.....	143	19.8	81	19733	171	20.6	98	18933							
ASGROW															
RX777.....	163	18.8	92	19866	166	19.4	93	20000							
RX864.....	142	19.0	93	20000											
CARGILL															
921.....	132	19.4	91	19866	173	17.5	95	20000							
967.....	167	18.6	92	20000	159	19.2	92	18533	104	19.2	98	19888			
DUESTERHAUS															
DS112.....	136	18.1	90	20000											
DS115.....	146	18.5	94	19733	170	19.4	93	18933							
DS118.....	136	19.8	84	19333	171	19.1	93	19733							
DS119.....	138	19.9	78	19866	169	20.6	95	19866							
D114.....	141	19.2	78	19200											
GOLDEN HARVEST															
H-2500.....	163	18.6	96	20000											
H-2680.....	156	20.0	87	18933											
GOLD TAG															
GT3020.....	153	18.2	91	17866											
GT4022.....	135	20.0	86	19733											
ILL. EXPERIMENT															
R806XB73.....	142	19.4	72	20000											
121-9-B73.....	129	21.8	84	20000											
81-5547.....	126	19.2	82	19733											
LEWIS															
X53B.....	130	17.5	93	18533	175	17.5	96	19466	116	17.7	98	19777			
X54B.....	150	17.8	97	19600	182	16.8	99	17200							
X58B.....	148	18.4	90	20000	186	18.8	100	18933							
X59B.....	154	18.4	89	19600	170	19.3	95	19866							
X62B.....	165	18.4	98	20000											
X63B.....	151	19.2	93	19200											
X74B.....	143	20.1	87	20000	180	21.2	98	19733							
X81B.....	124	20.2	70	19333	168	20.6	93	19866	108	22.1	95	19777			
X91B.....	145	19.6	92	19733	168	19.7	94	19866							
X93B.....	151	18.6	95	19333											
P-A-G															
SX 333.....	154	18.5	89	19200	153	18.5	92	19466							
SX 351.....	168	18.9	82	20000	182	18.9	94	20000	88	19.5	99	19222			
SX 397.....	135	17.1	77	19733	160	17.0	93	17733							
THOR-O-BRED															
SX 660.....	140	20.4	90	19733											
AVERAGE.....	147	19.2	88	19625	167	19.2	95	19166	109	20.1	97	19727			
L.S.I. 10% LEVEL.....	20	0.8	11	..	..	1.1	..	1395	..	2.2	4	..			
L.S.I. 30% LEVEL.....	13	0.5	7	..	..	0.7	..	875	..	1.4	2	..			
STD ERR OF HYBRID MEAN... 8	0.3	5	525	10	0.4	2	592	10	0.9	2	279				

Corn Hybrid Trial Results

**PERRY: INCREASED PLANTING RATE
(24,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)**

BRAND	HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE
AINSWORTH	X-516A.....	161	18.7	91	22155								
	*XX-617.....	140	19.7	81	23341								
	X-908.....	137	18.6	87	21044								
AMERICANA	3100.....	168	17.5	99	23825								
	3120.....	147	18.4	95	22611								
	4730.....	156	20.3	95	22565								
ASGROW	RX777.....	154	19.2	94	23024	153	18.9	93	22497				
BO-JAC	562.....	138	20.5	95	21595								
	674.....	141	19.3	96	22161								
BURRUS	*BX20.....	149	18.9	91	19767					96	19.9	98	20384
CARGILL	921.....	141	18.0	96	23825	166	18.0	85	23723				
	924.....	130	18.7	95	23797	154	17.8	96	23245				
	967.....	163	18.9	89	24000					88	19.7	99	23859
DENALB	EX-5657.....	149	18.7	85	23671								
	EX-6261.....	153	17.7	89	22969								
	EX-7778.....	159	19.7	82	22208								
	XL 61.....	155	19.7	92	23246	142	19.3	95	23768				
	XL 67.....	142	18.6	80	23693					78	19.8	92	22587
	*XL 72AA.....	138	18.4	93	21767	162	18.2	92	23444	76	19.7	98	21253
	XL 72B.....	140	19.1	95	22518	143	19.4	90	21831	113	20.7	96	21734
	XL 73.....	154	19.0	88	23006	145	19.4	94	23660				
	XL 75.....	151	19.6	86	22889	142	18.3	86	20866	86	22.3	96	20479
FUNK'S	*G-4507.....	172	18.2	91	23914								
	G-4514.....	148	18.0	94	23762								
	G-4522.....	155	18.9	93	22920	150	18.8	95	23918				
	G-4578.....	141	18.7	91	23879								
	G-4606.....	163	19.4	93	23310	144	18.8	93	22183	106	20.4	92	22265
	G-4733.....	157	20.2	82	23303								
GOLDEN ACRES	T-E 6995-A.....	167	18.1	88	24000	143	17.4	91	23175	80	18.7	97	21476
	T-E 6995.....	147	19.4	92	22262	137	18.3	90	23535	76	19.9	96	22273
GOLDEN HARVEST	T-E 6998.....	128	20.1	94	22819								
GOLD TAG	*H-2500.....	170	18.3	94	23890	127	17.9	99	22836	115	19.4	98	23178
	H-2680.....	158	20.6	92	23824								
GROWMARK	GT3006.....	140	17.8	87	23068								
	GT3008.....	146	18.5	93	23368								
	GT4430.....	133	19.6	95	23139								
KITCHEN	FS 675.....	149	17.5	98	23636								
	FS 680.....	143	18.3	89	22782	169	18.0	89	24000	97	19.7	97	23414
	FS 685.....	138	19.4	86	23858	153	19.5	88	23765				
	*FS 850.....	151	21.0	60	24000	141	20.3	87	23941	95	21.2	98	22339
	FS 852.....	140	21.5	85	23469	131	20.6	87	23777				
	*FS 854.....	134	22.1	57	23446	160	21.5	85	22624	128	21.1	99	22423
LANDERS	KSC 512.....	156	18.9	96	23045								
	KSC 513.....	159	19.0	94	23494								
	KSC 514.....	133	20.3	61	22846								
	KSC 516.....	149	19.6	87	23227								
LEWIS	9920.....	145	19.9	92	21044					90	21.9	95	21170
	9922.....	134	21.2	86	23277								
LYNKS	X63B.....	166	19.0	96	23357								
	X74B.....	158	20.3	93	23521	167	20.7	91	21833	122	20.4	99	24032
MCALLISTER	LX4315.....	150	17.4	91	22625	153	17.1	95	23570				
	LX4355.....	155	18.8	92	23326	162	18.9	94	22661				
	LX4500.....	168	20.8	84	22442	132	19.5	86	23380	87	21.6	98	22839
MCCURDY	SX7300B.....	141	20.3	93	21671	158	20.4	93	19874				
	SX7909.....	160	17.5	94	22181	147	17.3	93	18865				
	SX8102.....	139	16.8	96	21313								
	7384.....	154	19.2	95	23755								
	7676.....	161	19.1	86	22495	151	18.2	88	23901				
	7787.....	137	20.5	90	23182	160	20.3	93	23575	113	21.4	99	22730
	80-37.....	165	18.0	95	22665								
	81-82.....	154	19.9	86	24000								
	84AA.....	164	20.5	92	23673	152	20.2	87	21023	115	21.1	99	22157

PERRY: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	
MIGRO												
EXP.5129.....	153	19.8	96	20226								
EXP.5768.....	149	19.3	91	23560								
HF 470.....	145	17.2	98	23901	146	17.0	100	23801	83	17.6	98	22937
M-0707.....	157	18.9	97	23298	175	19.4	93	24000	100	21.4	99	23777
NORTHRUP-KING												
PX79.....	158	19.3	85	23468	132	18.9	88	23658				
PX83.....	140	19.3	88	23952	144	19.3	89	23523	61	20.5	98	22943
PX87.....	150	20.5	80	23150	145	19.8	90	22021	71	22.2	96	23107
X6701.....	147	19.9	93	21554								
X7002.....	146	17.4	95	23219								
O'S GOLD												
SX5255.....	157	18.9	88	21920	162	18.2	89	23463				
SX5291.....	154	21.4	89	23465	142	20.3	78	21924				
SX5509.....	133	21.2	89	23825	170	20.9	86	22949	101	22.3	98	21387
SX6882.....	129	17.5	98	23791	155	17.2	94	22648				
PAYMASTER												
6990.....	148	17.9	92	23921								
8201.....	163	19.0	93	23507								
PIONEER												
*3183.....	162	19.6	90	23653	174	20.8	88	23029				
*3382.....	160	18.4	92	21865	144	18.3	93	23736	102	18.6	98	23518
*3541.....	130	16.4	92	22279	136	16.1	93	23273	90	16.2	95	22620
POCKLINGTON												
P-6441.....	127	19.8	90	23313								
F-A-G												
SX 333.....	152	18.6	92	21762	143	18.0	91	22977	77	19.5	96	23896
SX 351.....	173	19.0	93	23408	166	18.4	96	23920	62	19.3	100	23515
SX 397.....	124	17.0	87	18974	120	16.9	88	21739				
RING AROUND												
1404.....	164	17.7	94	23948								
1502.....	156	19.7	96	24000								
1604.....	152	21.0	96	23011								
SHISSLER												
GR-8 176.....	164	17.7	98	24000								
GR-8 190.....	161	18.7	90	23864								
GR-8 194.....	150	21.1	96	22408								
GR-8 196.....	154	19.7	99	22009								
STAUFFER SEEDS												
SUPER 14.....	150	20.6	86	23492	138	19.8	90	23943				
SUPER 80.....	153	18.0	90	22785								
S 6596.....	162	17.5	94	23861								
S 7759.....	155	19.2	89	21088								
S 7767.....	144	17.7	95	21421								
S 8818.....	156	20.7	93	21625	157	21.1	93	23189				
1141.....	141	20.9	96	21101	152	20.0	93	22200				
STEWART HYBRIDS												
7381.....	116	19.2	94	22410								
77.....	160	20.3	88	22505								
STONE SEEII FARMS												
SX29.....	143	16.5	95	22591	133	16.2	94	23507				
SX35.....	162	17.5	98	22754								
SX41.....	164	19.7	94	23526	167	19.5	96	21296				
SX42A.....	153	20.3	93	22823	156	20.2	84	23326				
SUPER-CROST												
4337.....	152	17.1	95	23368	156	17.3	96	22612				
5452.....	139	18.5	96	22223								
7600.....	158	20.3	95	23673	149	20.6	94	22257	95	20.5	98	21370
7801.....	136	19.9	99	21742								
82085.....	168	19.0	98	22271								
THOR-O-BRED												
EX 6250.....	136	20.2	94	23494								
SX 660.....	152	20.5	92	21454								
TRISLER												
EXP. 81-21.....	160	20.6	92	23292								
T-5450.....	146	18.8	92	24000	155	17.8	78	23495	89	18.8	96	22164
T-5460.....	150	19.0	93	20444								
T-5750.....	147	19.0	94	22621								
T-7510.....	153	20.9	93	23398								
T-7530.....	159	20.0	94	23587	161	19.7	86	23602	95	20.9	98	22368
T-7550.....	142	20.7	92	21856	148	20.3	90	22875	81	22.6	97	21694
TROJAN												
T 1100.....	167	17.3	99	23345	160	17.5	96	22845				
T 1230.....	166	19.9	90	24000	144	21.4	91	22288	89	21.9	95	22500
T 1251.....	137	21.0	69	23486								
AVERAGE.....	150	19.2	92	22909	146	18.8	90	22741	89	19.8	97	22789
L.S.D. 10% LEVEL.....	..	0.8	10	..	23	1.0	9	1837	..	1.3	3	..
L.S.D. 30% LEVEL.....	..	0.5	6	..	14	0.6	5	1157	..	0.8	2	..
STD ERR OF HYBRID MEAN....	10	0.3	4	864	10	0.4	4	786	14	0.6	1	888

Corn Hybrid Trial Results
BROWNSTOWN (18,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS					1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE			YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE			YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		
AINSWORTH															
X-617.....	142	21.2	97	17318		144	19.6	97	17454		78	19.5	81	18000	
X-920.....	155	21.4	100	18000		147	17.9	98	18000						
ASGROW															
RX777.....	165	20.8	99	18000		154	19.1	97	18000		71	17.6	99	14888	
RX864.....	128	20.8	99	18000											
RX909.....	145	22.0	97	17181		136	19.1	97	17181		41	21.3	93	17888	
CARGILL															
967.....	154	20.0	96	17318		136	17.9	98	17727		53	19.0	98	17666	
COKER															
16.....	150	21.3	98	16772		135	19.5	100	17863		75	18.2	78	17333	
19A.....	138	21.4	97	17454		121	18.6	100	17863		65	20.5	94	17666	
19.....	149	20.4	97	17590		113	17.4	94	18000		83	18.6	77	17666	
21.....	125	22.7	96	15681		145	19.8	96	18000		77	21.3	89	17333	
22.....	137	22.6	96	17863		121	20.7	98	18000		47	21.1	88	18000	
GOLDEN HARVEST															
H-2680.....	160	23.5	98	17727											
GOLD TAG															
GT4022.....	142	22.1	99	18000		141	19.7	98	18000		99	21.5	96	18000	
GROWMARK															
FS 854.....	133	23.4	93	17863		154	20.7	97	18000		73	20.5	81	17666	
HOBPLIT															
442.....	145	21.2	99	17454		139	19.1	100	17590		84	20.7	94	18000	
454.....	157	21.7	98	18000		151	20.2	99	18000						
457.....	145	20.8	96	17863											
LEWIS															
X62BR.....	143	21.2	98	16772											
X74B.....	149	22.0	99	17318		149	20.7	98	17863						
X81B.....	147	23.7	95	17181		147	20.1	98	18000		68	21.5	91	18000	
X93B.....	141	20.3	95	17181		151	18.9	99	17727						
PAYMASTER															
7601.....	147	20.5	98	18000		149	19.0	100	17727						
F-A-G															
SX 333.....	145	19.9	96	18000		122	17.5	100	17590						
SX 351.....	164	20.5	99	18000		113	17.7	98	17863		71	18.5	93	17666	
STONE SEED FARMS															
SX41.....	155	21.3	98	18000											
SX42A.....	152	22.3	99	15272		135	19.9	100	17727						
SUN FRAIRIE															
SF393.....	151	21.4	99	17590											
SF540.....	158	22.4	96	17045		129	18.5	97	17590		70	20.9	82	17777	
SP600.....	149	22.1	94	18000		144	19.6	97	16909		80	20.2	79	16111	
THOR-O-BRED															
EX 6250.....	139	21.3	99	17727											
SX 660.....	160	22.3	98	18000											
TROJAN															
T 1230.....	144	23.2	94	18000											
T 1251.....	136	23.3	99	18000											
ZIMMERMAN															
Z-11-W.....	134	22.6	98	18000											
Z-14-W.....	131	23.7	97	15272											
Z-24-Y.....	140	20.8	100	16909											
Z-25-Y.....	153	21.9	96	17045											
Z-52-W.....	132	21.8	99	18000											
AVERAGE.....	146	21.8	98	17458		134	19.0	98	17742		72	19.8	88	17598	
L.S.D. 10% LEVEL.....	18	0.9	..	..		15	0.7	..	..		26	1.6	12	..	
L.S.D. 30% LEVEL.....	11	0.6	..	..		9	0.4	..	..		16	1.0	7	..	
STD ERR OF HYBRID MEAN...	8	0.4	2	724		6	0.3	1	312		11	0.7	5	364	

Corn Hybrid Trial Results
BROWNSTOWN: INCREASED PLANTING RATE
(22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE		YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	
AGRI GOLD												
6810.....	170	22.4	94	21456								
6910.....	155	21.6	97	21185								
AINSWORTH												
X-516A.....	161	20.3	100	21864								
X-619.....	153	21.4	99	20641	133	19.5	95	20777				
X-918.....	172	22.3	100	21049								
ASGROW												
FX777.....	166	20.6	99	20098	146	19.6	98	21728				
RX909.....	181	22.1	100	22000	109	19.6	98	22000				
CALLAHAN												
C777.....	153	22.6	98	21456								
C788.....	156	21.6	97	22000								
CARGILL												
921.....	144	19.8	99	21185								
*967.....	153	20.1	97	20234								
COKER												
16.....	148	21.1	97	18469	123	18.8	97	21185	53	19.0	86	19766
19A.....	158	21.3	99	21185	136	19.7	99	21049	34	20.0	96	20199
19.....	156	20.6	98	21456	108	17.5	96	21320	42	19.3	91	19105
21.....	170	22.1	100	20098	145	20.2	98	22000	50	21.7	95	20552
22.....	162	22.4	97	21592	131	20.3	97	21864	42	22.6	92	20301
DEKALB												
EX-6060.....	160	19.5	96	21728								
EX-7778.....	159	19.9	98	21320								
EX-7979.....	165	22.9	99	20234								
XL 67.....	166	19.2	99	21864								
*XL 72AA.....	157	20.0	100	20370	115	17.5	98	21185	39	18.7	98	18835
*XL 72B.....	157	20.4	99	22000	122	18.7	96	21592	71	19.8	88	18939
XL 74B.....	154	21.1	100	20913	149	19.4	94	21320				
DENNIS												
26.....	147	20.3	97	21592					92	19.5	93	19248
39.....	158	21.7	98	20506					67	21.8	89	19416
FUNK'S												
G-4514.....	145	20.1	98	21049								
G-4522.....	140	20.6	97	21320	136	17.9	98	22000				
G-4578.....	146	20.4	99	20777								
*G-4606.....	154	20.6	98	20506	126	18.7	96	22000	54	18.9	99	19072
G-4733.....	160	23.3	96	21592								
GOLDEN ACRES												
T-E 6995-A.....	159	19.7	98	21185	117	16.3	98	20913	41	16.8	89	19141
T-E 6995.....	171	20.3	97	19555	110	17.4	98	21592	41	18.3	80	20347
T-E 6998.....	163	21.4	97	21185								
GOLDEN HARVEST												
*H-2500.....	155	20.2	98	20913								
H-2680.....	145	23.2	98	22000								
GOLD TAG												
GT3006.....	148	19.3	98	22000	136	17.8	100	19827	37	19.7	93	20074
GT3020.....	148	20.0	99	21185								
GT4430.....	139	21.2	99	19827								
GROWMARK												
FS 675.....	152	18.9	99	20370								
FS 680.....	159	20.5	97	21592					56	19.0	83	20210
FS 685.....	152	22.0	98	21864	132	19.4	93	22000				
FS 850.....	168	22.1	100	21185	139	19.4	98	21320	63	20.6	85	20317
FS 852.....	169	22.9	97	21592	132	20.1	97	21592				
FS 854.....	145	22.6	93	18740					42	20.7	85	20696
HOBELIT												
457.....	154	20.1	99	19691								
KITCHEN												
KSC 512.....	147	20.2	99	19962								
KSC 513.....	164	20.6	98	21320								
KSC 514.....	146	21.5	99	19419								
KSC 516.....	160	21.8	99	21864								
LANDERS												
9920.....	162	21.0	98	21728	131	19.4	98	21456				
9922.....	167	22.3	98	20777	146	20.0	94	21728	68	20.8	89	19729
LEWIS												
X82B.....	141	22.0	96	22000								
X83B.....	155	21.4	98	21728								
X93B.....	163	20.6	98	21728								
LOWE												
LSX 511.....	173	22.5	96	21185	130	19.8	93	20641				
LSX 517.....	145	20.1	98	19962	126	18.5	96	21320				
LSX 617.....	148	21.7	98	20506	143	19.6	94	21456				

BROWNSTOWN: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS
LYNKS												
LX4355.....	162	20.1	98	19283	147	18.0	100	21592	33	20.7	85	19402
LX4480.....	170	21.0	99	20913	127	19.1	92	21456				
LX4488.....	159	21.7	99	21320								
LX4500.....	161	22.3	100	19691	140	20.1	97	21185	80	20.3	90	17201
LX4545.....	169	22.5	98	21592	147	20.4	95	22000	54	20.6	96	18982
MCCURDY												
7676.....	158	20.7	97	20777	154	18.4	98	21592				
80-62.....	166	22.1	100	21320								
81-82.....	170	22.3	98	21320								
84AA.....	179	22.0	100	22000	142	20.6	98	21864	76	19.7	91	19714
MIGRO												
EXP.5129.....	162	21.2	100	20913								
EXP.5199.....	161	22.0	98	21049								
EXP.5768.....	163	20.5	98	19962								
M-0707.....	166	21.3	98	22000	134	19.5	96	21320	52	20.8	93	18920
NORTHROP-KING												
PX79.....	161	19.6	99	21320	124	17.2	97	22000				
PX03.....	165	21.3	98	21728	138	19.6	93	21456	37	20.6	90	20606
PX87.....	173	21.8	98	20913	134	20.0	95	21049	53	20.7	83	19488
X6701.....	151	21.4	99	21049								
X7002.....	149	19.6	100	22000								
O'S GOLD												
SX2570.....	157	20.3	100	21320								
SX5291.....	177	22.8	97	19283	145	20.6	98	21864				
SX5509.....	174	22.7	98	18333	143	20.2	97	21320	46	21.5	99	18759
PAYMASTER												
6990.....	147	19.4	100	19555								
7601.....	135	20.6	100	19419								
8201.....	151	19.6	98	20234					58	19.3	82	18865
PFISTER												
KERNOIL.....	177	21.0	96	20777	125	19.5	95	21456				
3500.....	159	21.1	100	21185								
4000.....	173	22.8	95	22000	152	20.3	98	22000				
68.....	158	20.7	98	21592								
PIONEER												
*3183.....	153	21.0	95	22000	145	18.9	94	21320	57	21.6	96	20294
*3184.....	150	21.7	100	22000								
*3382.....	148	19.8	98	19827	135	18.1	97	22000				
POCKLINGTON												
P-7661.....	149	20.8	100	20098								
PRINCETON												
SX850.....	136	20.3	98	19962								
SX860.....	153	22.1	98	21185								
P-A-G												
SX 333.....	159	20.6	98	21728	123	17.2	95	21728	51	18.6	82	20092
*SX 351.....	156	20.6	94	20777	127	18.0	95	21456	35	20.1	91	20225
SX 397.....	142	18.6	98	20913	126	17.7	93	20913				
RING AROUND												
1502.....	165	21.1	99	20506	141	19.1	96	22000	58	20.4	91	20148
1604.....	166	22.7	99	21728	141	19.8	90	20913	64	21.6	92	19531
STAUFFER SEEDS												
SUPER 14.....	160	23.0	100	21728	141	19.0	91	22000				
SUPER 80.....	161	20.0	98	21185								
S 6596.....	148	19.1	98	20777								
S 7759.....	157	20.2	98	21864								
S 8500.....	152	22.3	99	19691								
S 8818.....	171	22.2	99	22000	134	20.1	98	21592				
114+.....	182	22.2	100	20641	154	20.3	99	21728				
STONE SEED FARMS												
SX35.....	152	19.5	97	18197								
SX41.....	168	21.4	94	21320	155	18.3	98	21592				
SX42A.....	155	22.0	100	18876								
STURDY-GROW												
S/G 822.....	155	22.3	96	20777								
S/G 829A.....	186	22.2	99	22000								
S/G 829.....	146	22.4	96	21049	132	19.2	95	21728				
S/G 832.....	146	21.6	93	21049								
SUPER-CROST												
S452.....	141	20.7	99	19962								
7600.....	163	21.7	97	20370								
7801.....	151	21.5	97	18876								
82085.....	157	20.5	98	21185								
THOR-O-BRED												
EX 6250.....	156	21.3	100	21320								
SX 660.....	158	21.9	96	21185								

BROWNSTOWN: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
TRISLER												
EXP. 81-21.....	159	22.1	96	20370								
T-5250.....	149	19.4	96	19283	110	17.4	96	21592	66	17.4	91	18934
T-5256.....	141	20.3	96	19691	125	18.3	99	21592				
T-5450.....	152	20.1	98	20641	104	17.7	96	22000	49	18.8	91	19746
T-5460.....	166	20.8	98	21864								
T-5470.....	145	20.8	98	20777	132	18.7	97	21456	84	20.5	100	19382
T-5750.....	158	20.7	99	21592								
T-7500.....	162	21.7	98	20506	109	19.1	96	21320	51	20.5	84	20048
T-7510.....	154	20.9	97	22000								
T-7530.....	154	21.2	99	21456	131	19.1	94	21728	53	20.2	97	19103
T-7550.....	157	22.7	94	20913	144	19.9	97	21592	45	21.4	97	19709
TROJAN												
TXS 115A.....	164	20.0	99	21456	122	18.3	98	22000	89	17.6	88	19687
*TXS 119.....	154	21.3	99	21728	125	19.7	96	22000	75	19.4	83	19262
T 1100.....	166	19.1	99	21728	129	17.5	97	22000				
T 1230.....	171	22.9	98	21049	134	20.5	94	21864	36	21.5	96	19450
T 1251.....	140	22.8	97	20777								
U.S.S.												
1010.....	150	20.2	97	21185	88	17.2	98	22000				
1515.....	145	20.9	97	19419	127	19.4	94	21728				
VORIS												
EXP. 1036.....	150	21.9	97	21728								
V 2521.....	136	20.4	99	21320	127	18.5	98	20913				
V 2601.....	147	19.4	95	21864	127	18.2	93	21456				
V 2641.....	139	23.5	97	20370	141	20.4	88	21320				
ZIMMERMAN												
Z-11-W.....	119	23.3	98	21320								
Z-14-W.....	157	23.4	97	21864								
Z-22-Y.....	164	20.9	99	20777	120	19.4	96	21864	56	20.7	97	19950
Z-24-Y.....	161	21.2	97	21592	137	19.0	94	21320	61	18.5	85	19949
Z-25-Y.....	165	22.7	98	21456								
AVERAGE.....	157	21.2	98	20931	128	18.7	96	21442	56	19.6	88	19536
L.S.D. 10% LEVEL.....	19	0.7	3	..	17	0.7	5	..	25	1.6	12	1626
L.S.D. 30% LEVEL.....	12	0.4	2	..	11	0.4	3	..	16	1.0	8	1024
STD ERR OF HYBRID MEAN...	9	2.4	2	926	7	0.3	2	571	11	0.7	5	696

Corn Hybrid Trial Results

CARBONDALE UPLAND (18,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE
ASGROW												
RX114.....	70	18.8	96	17588			95	19.9	99	17698		
RX777.....	67	17.9	94	17702			96	19.0	99	18000		
RX864.....	71	18.8	98	17839								
CARGILL												
967.....	73	18.6	86	18000								
DEKALB												
EX-7979.....	72	21.0	91	17417								
XL 73.....	65	20.0	100	17991								
XL 74B.....	79	18.6	91	17851			107	19.6	93	17417		
DUESTERHAUS												
DS117.....	59	17.0	68	18000								
DS118.....	56	19.0	84	17731								
DS119.....	53	20.6	96	17308								
GOLDEN HARVEST												
H-2680.....	31	20.3	87	18000								
H-2775A.....	62	19.6	89	17982								
LEWIS												
X74B.....	61	18.7	90	17454			108	20.4	100	17189		
X91B.....	82	19.0	96	17977			114	20.0	99	17617		
O'S GOLD												
SX3344.....	70	16.4	99	17262			118	18.1	96	17831		
POCKLINGTON												
P-7441.....	56	18.0	98	17142								
THOR-O-BRED												
EX 6250.....	72	17.6	98	17985								
SX 660.....	66	20.3	89	17977								
TROJAN												
T 1230.....	46	20.6	97	17968								
T 1251.....	67	20.7	89	18000								
ZIMMERMAN												
Z-11-W.....	51	21.6	75	17902			88	20.8	90	17853		
Z-14-W.....	62	20.6	95	18000			103	19.7	99	17968		
Z-24-Y.....	66	18.7	93	17968			99	19.5	95	17405		
Z-25-Y.....	71	19.0	83	17982								
Z-52-W.....	57	21.7	94	17979			91	21.6	93	17692		
AVERAGE.....	64	19.3	92	17805			100	19.6	97	17678		
L.S.D. 10% LEVEL.....	..	2.0	12	..			..	0.9	..	..	20	1.9
L.S.D. 30% LEVEL.....	..	1.2	7	..			..	0.5	..	..	12	1.2
STD ERR OF HYBRID MEAN... 7	0.8	5	223				7	0.3	2	353	0	0.8
											5	673

Corn Hybrid Trial Results

**CARBONDALE UPLAND: INCREASED PLANTING RATE
(22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)**

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URF %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE
AGRI GOLD												
6810.....	108	19.4	95	21717								
6910.....	115	19.2	96	21858								
COKER												
16.....	98	19.3	97	21576	109	20.0	99	21508	51	14.9	85	21666
19A.....	87	18.9	94	21717	114	20.1	98	21542	23	18.6	97	21555
19.....	96	17.3	97	20589	121	18.3	99	21099	33	17.0	94	20555
21.....	101	20.6	94	22000	95	20.1	98	20898	54	19.2	94	18888
22.....	84	19.8	96	22000	107	20.2	96	22000	36	17.0	87	21000
CROW												
*588.....	93	19.5	95	20448								
DEKALB												
FX-7979.....	90	19.7	96	22000								
*XL 72AA.....	113	18.3	97	22000	113	18.5	96	20696	23	18.2	90	20444
*XL 72B.....	102	18.8	98	21717	109	19.5	96	21171	62	16.4	92	21777
XL 73.....	122	20.1	96	21576	105	18.8	97	21279				
XL 74B.....	114	19.8	95	21576	120	19.5	95	21875				
FUNK'S												
G-4514.....	89	17.9	93	21012								
G-4522.....	116	17.8	95	22000	130	18.7	99	21760				
G-4578.....	108	18.0	99	20448								
G-4606.....	106	18.1	92	21858	108	19.6	96	21077	38	18.8	94	20666
G-4733.....	81	20.9	91	21435								
GOLDEN ACRES												
T-E 6995-A.....	103	17.7	98	21717	120	17.8	96	21261	33	16.8	92	20666
T-E 6995.....	107	17.7	98	21576	110	18.9	99	20882	70	17.6	94	17333
GOLDEN HARVEST												
H-2680.....	104	19.8	94	21435								
H-2775A.....	90	20.9	90	22000								
GROWMARK												
FS 685.....	75	19.1	92	22000								
FS 850.....	112	20.0	95	22000	103	20.2	95	21677	50	19.1	93	20666
FS 852.....	100	21.2	91	21153	93	20.7	98	20717				
FS 854.....	85	20.0	88	21858	95	19.9	94	22000	45	15.4	82	21222
FS 858.....	104	19.2	97	22000	123	18.4	97	21144	39	18.0	94	20666
ILL. EXPERIMENT												
AN81-21.....	94	17.6	93	21717								
LEWIS												
X74B.....	116	19.9	98	22000	111	20.6	98	21143	36	17.7	94	20777
X82B.....	109	19.7	95	19743								
LOWE												
*LSX 507.....	89	19.4	90	22000								
LYNKS												
LX4355.....	112	18.1	96	21717								
LX4480.....	99	19.1	96	20025	121	19.7	98	20976	33	17.5	75	21222
LX4488.....	94	19.3	95	21576								
LX4500.....	118	20.3	97	21858	113	21.1	99	21431	53	20.0	92	20222
LX4545.....	107	20.0	96	21435	103	21.3	97	21340	38	19.4	94	21222
MCCURDY												
7676.....	104	18.1	92	20730	123	19.0	100	20818				
7787.....	87	19.8	97	21294	102	21.2	99	20920	53	18.1	95	21111
80-62.....	109	20.3	91	22000								
8150.....	103	20.4	96	21153	116	20.8	97	20961				
MIGRO												
HP 87.....	97	21.1	92	21576	132	20.2	100	20835	50	21.3	92	20444
M-0707.....	88	19.4	88	21576	122	19.9	98	21025	53	18.9	90	19555
NORTHRUP-KING												
PX79.....	98	18.2	97	20730	117	18.0	99	20724				
PX83.....	106	19.5	91	21576	109	19.8	97	21064	42	19.5	94	21000
PX87.....	87	20.4	98	21576	91	20.5	96	21285	43	17.4	95	21333
X6701.....	110	19.3	98	21153								
O'S GOLD												
SX2570.....	120	18.6	93	21012								
SX5291.....	109	20.2	98	21858	116	21.3	99	21452				
SX5509.....	109	20.6	94	21294	120	20.2	97	20624				
PAYMASTER												
7601.....	93	18.5	95	21576								
8951.....	105	19.0	97	21717	107	20.7	98	21590				
PIONEER												
*3183.....	123	20.2	90	22000	100	20.1	96	20996	39	18.4	96	19666
*3184.....	112	21.1	94	22000	113	20.9	98	22000	36	18.0	96	19222
*3186.....	110	20.4	95	22000								
*3320.....	112	20.0	96	22000								
*3382.....	95	18.6	94	22000								

CARBONDALE UPLAND: INCREASED PLANTING RATE, continued

BRAND HYBRID	1982 RESULTS					1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	40	17.9	92	21000		
POCKLINGTON															
P-701.....	80	18.7	91	21435			105	20.9	97	21101					
P-A-G															
EXP. 101515.....	102	19.9	95	20730			114	17.9	95	21040	54	16.0	90	20666	
SX 333.....	120	17.8	98	21294			122	19.1	100	19703	30	16.4	95	18444	
SX 351.....	98	18.0	96	21153											
RING AROUND															
1502.....	110	19.8	97	22000			118	20.3	96	20585	41	18.6	89	21222	
1604.....	112	20.2	95	21717			87	21.1	98	20215	48	20.1	87	17444	
2602W.....	88	22.5	90	21858											
9609W.....	68	22.0	91	21717											
STAUFFER SEEDS															
*SUPER 14.....	100	19.3	96	21958			102	19.7	98	21872	49	17.9	77	21000	
S 6596.....	104	17.6	97	20307											
S 7759.....	119	17.9	100	21858											
S 8500.....	99	20.1	91	22000											
S 8818.....	104	20.7	97	22000			108	20.7	97	20570					
114+.....	95	20.2	95	21435			109	20.7	97	21664					
STEWART HYBRIDS															
7381.....	88	19.8	94	21294											
77.....	94	19.4	95	22000											
SUPER-CROST															
5452.....	87	17.4	92	22000											
7600.....	106	20.0	93	20589			117	20.5	98	21662	40	19.0	98	20777	
7801.....	114	19.7	97	21717											
82085.....	95	18.0	94	21435											
THOR-O-BRED															
EX 6250.....	95	20.2	95	21294											
SX 660.....	93	20.6	95	22000											
TROJAN															
TXS 115A.....	85	17.6	96	22000			109	18.4	98	21536	38	16.9	94	20555	
TXS 119.....	92	19.8	94	21717			120	19.7	97	21322	45	18.0	86	20777	
T 1100.....	102	17.0	95	20448			117	17.2	99	21667					
T 1230.....	105	20.1	98	21717			93	20.9	96	21129	53	18.0	87	21111	
T 1251.....	99	20.7	98	21153											
ZIMMERMAN															
Z-11-W.....	103	21.9	94	21717											
Z-14-W.....	97	20.7	97	21717			104	21.0	96	21851					
Z-22-Y.....	78	18.5	94	21717			127	19.9	99	20276	38	18.6	95	21777	
Z-24-Y.....	106	20.0	92	21717			113	19.3	96	21837	33	18.7	89	21666	
Z-25-Y.....	96	20.1	95	21858											
AVERAGE.....	101	19.5	95	21926			107	19.6	97	21156	40	18.1	92	20544	
L.S.D. 10% LEVEL.....	21	1.1	..	20	1.2	..	..	..	..	22	1.6	..	..	..	..
L.S.D. 30% LEVEL.....	13	0.7	..	12	0.7	..	..	..	..	14	1.0	..	..	..	..
STD ERR OF HYBRID MEAN...	9	0.5	2	469			8	0.5	1	608	9	0.7	4	968	

Corn Hybrid Trial Results

DIXON SPRINGS BOTTOMLAND (22,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)

BRAND HYBRID	1982 RESULTS				1981 RESULTS				1980 RESULTS			
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS /ACRE	PLANTS /ACRE
ASGROW												
RX114.....	133	20.6	99	21592	130	20.2	98	20913	127	25.9	90	20444
RX777.....	154	19.8	100	22000	110	19.4	98	22000				
RX864.....	144	20.3	100	21864								
CARGILL												
967.....	154	18.6	99	22000					141	20.4	95	21777
COKER												
16.....	127	19.8	100	21185	121	19.6	99	22000	139	22.6	96	21111
19A.....	164	20.3	99	21592	122	19.6	98	22000	135	23.9	86	20222
19.....	145	18.9	100	22000	114	18.2	100	21864	126	20.9	93	21111
21.....	149	21.3	96	21864	131	20.0	96	21320	150	26.5	97	21000
22.....	145	20.8	98	22000	144	19.3	99	22000	125	24.0	94	21888
DEKALB												
EX-7979.....	156	20.4	100	21864					131	22.4	80	21666
XL 71.....	171	20.2	99	21728	123	19.4	98	22000				
XL 73.....	149	20.3	96	21864								
XL 74B.....	160	19.4	100	22000								
DUESTERHAUS												
DS117.....	149	19.8	99	22000								
DS118.....	150	19.5	100	21592								
DS119.....	150	20.9	99	21728								
FUNK'S												
G-4514.....	144	18.3	100	21320								
G-4522.....	168	21.0	99	22000	135	18.4	98	22000				
G-4578.....	141	19.1	100	21456								
G-4606.....	147	19.7	100	21320	123	18.2	99	22000	134	21.3	92	22000
G-4733.....	145	21.2	100	21049								
GOLD TAG												
GT4022.....	158	21.0	97	21728	150	19.4	98	22000	136	24.9	91	21222
ILL. EXPERIMENT												
AN81-17.....	160	19.4	98	21049								
LEWIS												
X81B.....	146	20.9	98	21728	144	18.7	99	22000				
X92B.....	148	20.0	100	21456	157	18.0	99	21592				
LYNKS												
LX4355.....	166	18.9	100	21728								
LX4480.....	155	20.4	100	22000	143	19.4	100	22000				
LX4488.....	149	20.1	100	22000								
LX4545.....	157	20.5	99	21728	142	19.1	100	21728				
MIGRO												
EXP-5199.....	151	20.6	97	22000								
M-0707.....	167	20.2	99	21864	145	18.2	98	22000	151	22.3	89	21444
NORTHRUP-KING												
PX83.....	151	20.0	98	21456								
PX87.....	146	21.0	98	21592								
X6701.....	153	20.7	100	21864								
PFISTER												
KERNOIL.....	151	20.0	100	21456								
4000.....	163	21.2	98	22000								
68.....	137	18.8	99	21728								
POCKLINGTON												
P-880.....	130	20.5	100	21864								
PREMIER HYBRIDS												
SX636.....	165	20.9	99	22000					140	25.3	94	21444
PRINCETON												
SP936.....	138	22.4	98	21728	114	21.1	97	22000	147	25.7	95	20111
SX860.....	155	20.1	98	21456	144	19.8	99	21728	141	24.6	99	21777
SX870.....	166	21.2	98	22000	145	19.2	99	22000	152	24.2	96	20888
SX910.....	132	21.8	99	21456	112	20.4	98	22000	113	26.9	91	21222
RING AROUND												
MFA 6707.....	134	19.5	100	21728								
MFA 6708.....	151	20.4	99	21728								
STAUFFER SEEDS												
S 8500.....	153	20.5	98	22000								
S 8818.....	153	21.4	98	22000								
THOR-O-BRED												
EX 6250.....	140	20.0	98	21728								
SX 660.....	160	20.0	100	22000								
TROJAN												
T 1100.....	155	18.0	100	22000					152	26.2	93	21888
T 1230.....	159	21.0	100	21320								
T 1251.....	136	21.4	100	21320								
U.S.S.												
0555A.....	125	19.0	100	21728	131	16.6	100	22000	133	24.5	94	20666
2020.....	165	21.0	99	21728								

DIXON SPRINGS BOTTOMLAND, continued

BRAND HYBRID	1982 RESULTS					1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS
ZIMMERMAN															
Z-11-W.....	141	22.0	99	22000	130	19.4	100	22000	126	20.2	94	21777			
Z-14-W.....	148	22.1	100	21728	109	23.7	98	22000	134	26.8	96	22111			
Z-22-Y.....	160	20.4	100	22000	133	20.0	98	22000	138	21.8	92	21222			
Z-24-Y.....	139	20.7	99	22000	144	18.9	98	22000	142	22.0	90	20777			
Z-25-Y.....	169	21.5	100	21728											
Z-52-W.....	137	21.4	96	22000	117	19.6	97	22000	136	26.8	86	21000			
AVERAGE OF 1982 ENTRIES..	151	20.4	99	21744	126	18.9	98	21919	133	23.8	90	20932			
L.S.D. 10% LEVEL.....	14	0.6	..	..	21	1.5	..	..	16	1.8	10	..			
L.S.D. 30% LEVEL.....	9	0.4	..	..	13	0.9	..	..	10	1.2	6	..			
STD ERR OF HYBRID MEAN...)	6	0.2	1	285	9	0.6	1	222	7	0.8	4	636			

Corn Hybrid Trial Results

**DIXON SPRINGS BOTTOMLAND: INCREASED PLANTING RATE
(28,000 PLANTS PER ACRE AND 30-INCH ROW SPACING)**

BRAND HYBRID	1982 RESULTS					1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS
AGRI GOLD															
6475.....	168	18.0	100	25066											
6810.....	167	21.0	98	27066											
6910.....	177	20.9	100	26400											
BO-JAC															
562.....	169	21.4	100	27466									142	25.0	93
674.....	173	19.8	99	27600									148	26.2	96
923.....	164	21.4	99	27733											
CARGILL															
*967.....	174	18.6	100	26133									156	21.7	94
DEKALB															
EX-6060.....	166	19.1	98	27733											
EX-7979.....	165	20.8	100	26933											
XL 71.....	166	20.8	100	27200	112	19.0	97	27485	132	21.5	89	26888			
*XL 72AA.....	163	19.3	99	28000	125	16.8	78	27917	93	20.2	83	26333			
*XL 72B.....	174	20.3	100	26933	140	18.5	96	26965	149	22.6	95	25444			
XL 73.....	155	20.1	98	27733	119	17.7	96	28000							
GOLDEN ACRES															
T-E 6995-A.....	152	19.5	100	24933	174	17.5	100	26601	112	20.5	91	22888			
T-E 6995.....	165	19.7	99	26400	122	16.4	89	27110	131	20.0	93	26222			
T-E 6998.....	152	20.9	99	25066											
GOLD TAG															
GT4430.....	155	19.9	100	27333											
GROWMARK															
FS 685.....	159	20.6	99	27600											
FS 850.....	165	21.2	99	26000	111	19.3	100	28000							
FS 852.....	158	21.8	99	27733	118	18.7	92	27534							
FS 854.....	167	21.6	98	27066	125	20.0	85	27929	140	24.6	89	26222			
FS 858.....	161	20.9	100	26933											
LEADER															
SX620.....	164	20.9	100	26000											
SX717.....	166	20.4	100	27733											
SX722.....	168	20.7	100	27333											
LEWIS															
X74B.....	175	21.3	100	26933	128	20.5	99	28000							
X83B.....	140	20.8	100	26800											
LYNKS															
LX4355.....	176	19.3	99	25600											
LX4488.....	172	20.6	100	28000											
LX4545.....	175	21.2	97	27600											
MCCURDY															
7676.....	181	19.9	99	26133	136	18.3	91	25720							
80-72.....	165	21.5	99	28000											
8150.....	186	22.2	100	27600	139	20.1	96	27528	134	24.5	92	24111			
81-37.....	149	22.8	97	27333											
81-82.....	183	20.7	99	27866											
84AA.....	175	21.2	99	28000	156	19.5	97	27931	142	23.0	86	28000			

DIXON SPRINGS BOTTOMLAND: INCREASED PLANTING RATE, continued

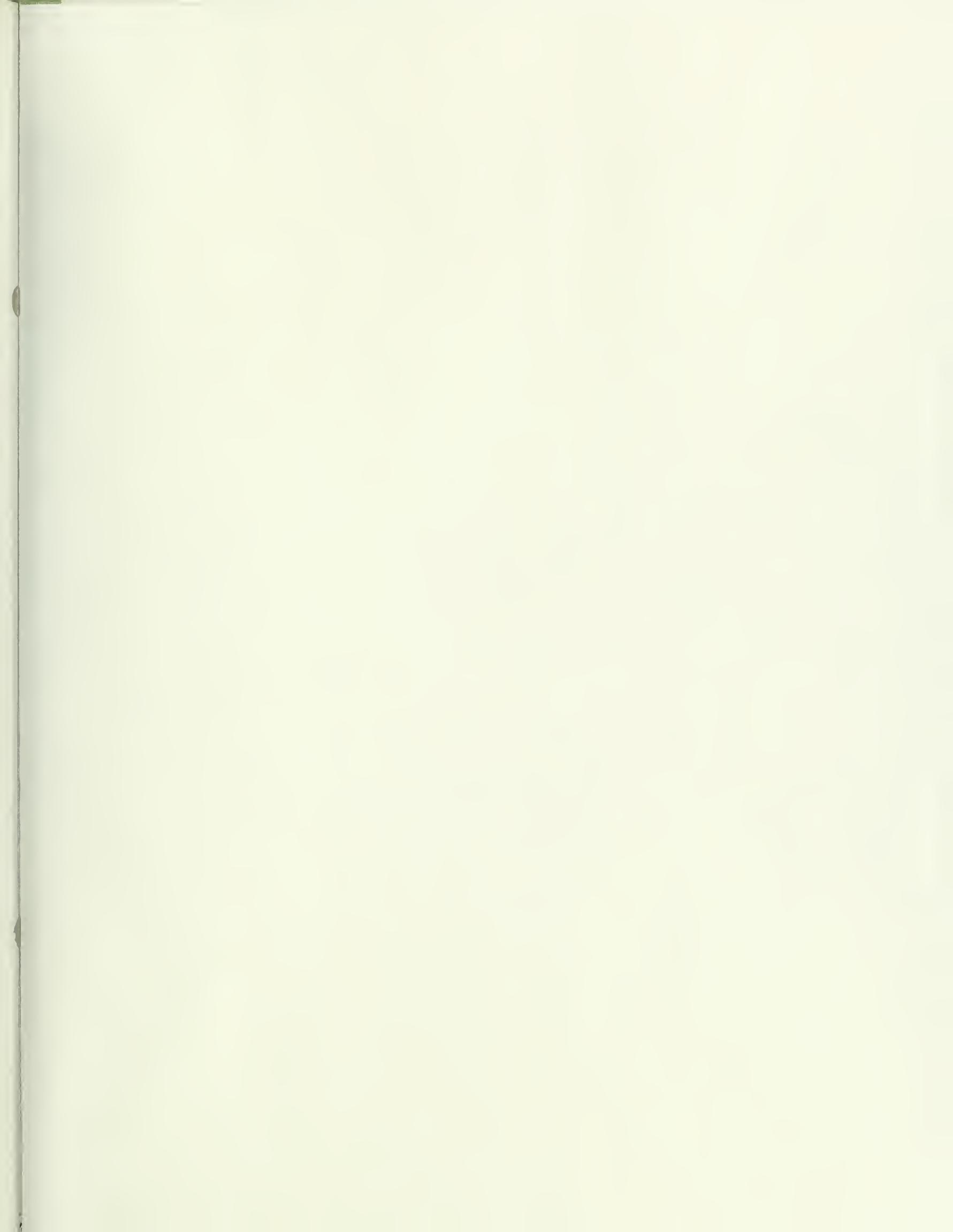
BRAND HYBRID	1982 RESULTS					1981 RESULTS					1980 RESULTS				
	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS	PLANTS /ACRE	YIELD BU/A	MOIST- URE %	ZERECT PLANTS
MIGRO															
EXP.5199.....	186	21.2	99	27200											
M-0707.....	171	20.9	99	27466	153	19.2	97	27985	155	22.0	93	26777			
MOEWS															
*SM725.....	167	19.9	100	25333	138	18.6	94	27831							
O'S GOLD															
SX2570.....	169	19.5	99	27600											
SX5291.....	164	21.9	99	27733	130	20.4	98	28000							
SX6882.....	164	18.2	100	27200											
FAYMASTER															
*4790.....	145	17.4	100	27866											
7601.....	164	20.0	100	27200											
8951.....	180	20.9	99	26533	158	20.7	99	27958	127	24.0	91	25777			
PIONEER															
*3184.....	173	20.8	99	27866	127	18.7	100	27862	147	23.6	98	27000			
*3320.....	168	20.0	99	26533											
PREMIER HYBRIDS															
SX636.....	174	20.8	99	26000	150	20.3	99	27377							
SX639-A.....	185	20.6	100	27600	152	19.5	97	27261							
PRINCETON															
SX860.....	174	20.9	100	27733											
SX870.....	185	20.8	100	27200											
P-A-G															
EXP. 101515.....	157	20.9	98	27200											
*SX 333.....	166	19.0	99	28000	130	17.1	98	27943	118	22.1	76	27777			
SX 351.....	154	18.6	100	27866	113	17.0	97	28000	151	22.0	95	27889			
RING AROUND															
*1502.....	177	20.0	100	26266	131	18.9	97	28000	148	22.2	94	28000			
1604.....	175	21.2	100	26666	123	20.4	91	27643	141	24.8	95	27777			
2602W.....	155	21.9	97	27200											
9609W.....	135	23.1	96	28000											
STAUFFER SEEDS															
*SUPER 14.....	151	20.0	99	27066	105	17.4	95	27278							
S 6596.....	181	17.9	100	26800											
S 7759.....	184	19.2	99	25466											
S 8500.....	147	21.2	99	27066											
S 8818.....	176	20.3	99	26400	111	19.9	93	27965							
114+.....	155	21.3	100	26266	149	19.3	96	28000							
STURDY-GROW															
S/G 805A.....	181	20.6	100	27733	137	19.6	90	27060	156	22.7	89	25888			
S/G 829A.....	174	21.5	100	28000											
S/G 829.....	144	21.2	94	27733	153	19.1	97	27902							
S/G 910W.....	165	20.8	99	27733	122	19.3	91	27420							
S/G 935W.....	157	21.5	100	25200	129	20.4	91	28000	131	25.7	91	26111			
SUPER-CROST															
4337.....	156	18.2	100	28000	143	16.9	99	27246							
5452.....	151	19.1	100	26666											
7600.....	169	20.9	100	26266	136	20.6	96	27871	138	25.1	95	25333			
7801.....	169	20.9	99	27200											
82085.....	183	19.0	100	27600											
THOR-O-BRED															
EX 6250.....	139	20.8	100	26666											
SX 660.....	152	21.1	100	27600											
TROJAN															
TXS 115A.....	172	19.2	100	27066	120	17.5	97	27982	137	22.7	84	26222			
TXS 119.....	170	21.2	100	27333	127	18.4	92	27115							
T 1100.....	162	18.7	100	26533	140	17.0	97	26806							
T 1230.....	180	20.2	100	28000	154	20.4	98	24938							
T 1251.....	137	21.8	99	27600											
U.S.S.															
0555A.....	157	18.7	100	27066											
2020.....	179	20.5	98	28000	129	19.6	95	28000							
WHISNAND															
80A.....	165	19.6	99	25600	120	18.2	91	26778	101	20.8	86	27666			
80.....	159	21.1	99	27866	126	19.1	95	28000	144	24.1	89	26222			
811.....	159	19.8	100	28000	105	19.9	100	25911	118	23.5	92	26888			
81.....	179	18.9	100	27200	123	16.5	93	27945	124	22.8	90	26555			
83.....	169	18.0	99	27733	135	17.1	100	27645							
870.....	141	20.6	98	26266	120	18.1	96	25457	109	22.8	87	26666			
ZIMMERMAN															
Z-14-W.....	160	21.7	99	26933	125	20.6	97	27332							
Z-22-Y.....	180	20.1	98	26933	159	18.6	98	27655	158	23.7	93	25777			
Z-25-Y.....	167	21.7	99	27733											
AVERAGE OF 1982 ENTRIES..	166	20.5	99	27082	126	18.5	94	27485	134	23.2	91	26623			
L.S.D. 10% LEVEL.....	21	0.7	2	..	22	1.4	9	..	22	1.9	11	1910			
L.S.D. 30% LEVEL.....	13	0.5	1	..	14	0.9	5	..	14	1.2	7	1202			
STD ERR OF HYBRID MEAN...	9	0.3	1	720	9	0.6	4	640	9	0.8	5	816			



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